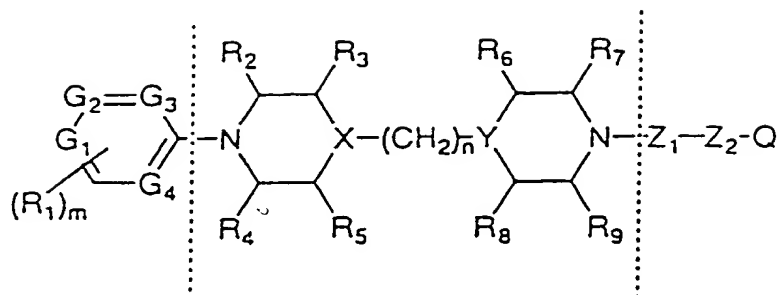



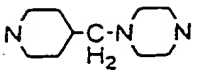
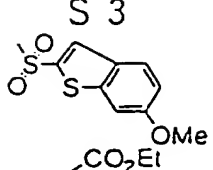

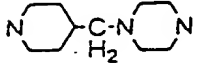
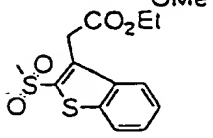

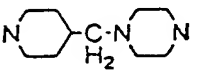
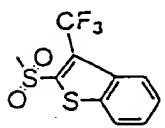

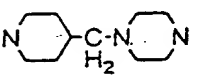
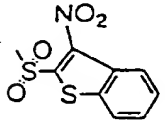

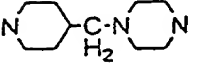
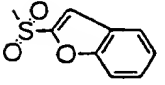

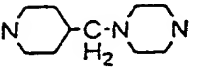
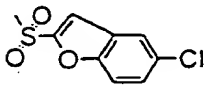

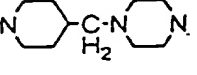
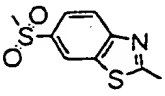

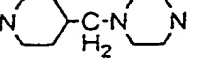
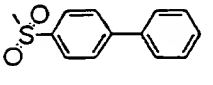

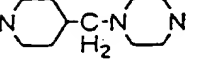
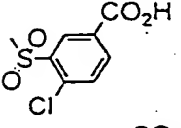

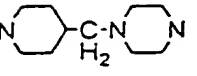
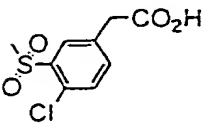

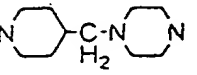
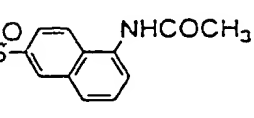

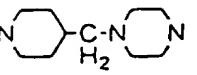
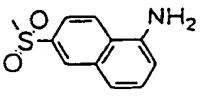
FIG. 1



Ex.No.	S 1	S 2	S 3
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	514	252

FIG. 2

	S 1	S 2	S 3
1 1			
1 2			
1 3			
1 4			
1 5			
1 6			
1 7			
1 8			
1 9			
2 0			
2 1			
2 2			

009290" 24229560

FIG. 3


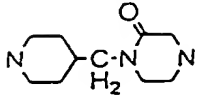
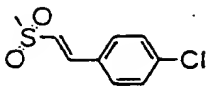

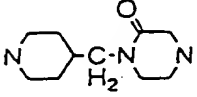
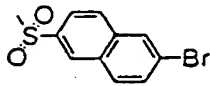

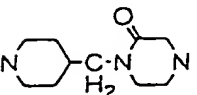
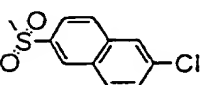

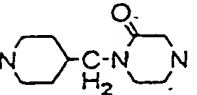
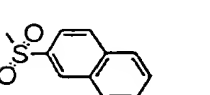

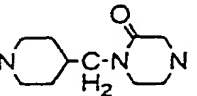
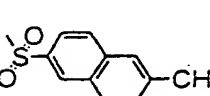

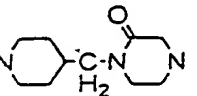
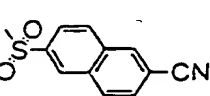

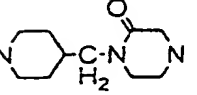
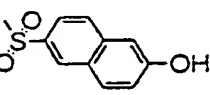

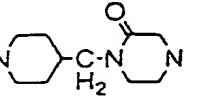
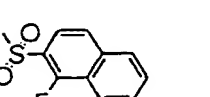

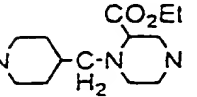
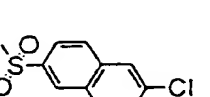

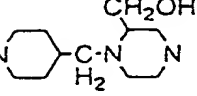
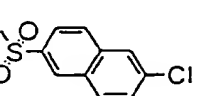

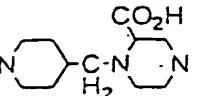
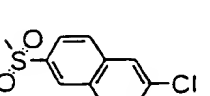

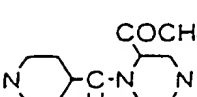
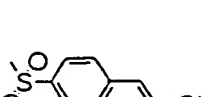
	S 1	S 2	S 3
2 3			
2 4			
2 5			
2 6			
2 7			
2 8			
2 9			
3 0			
3 1			
3 2			
3 3			
3 4			

FIG. 4

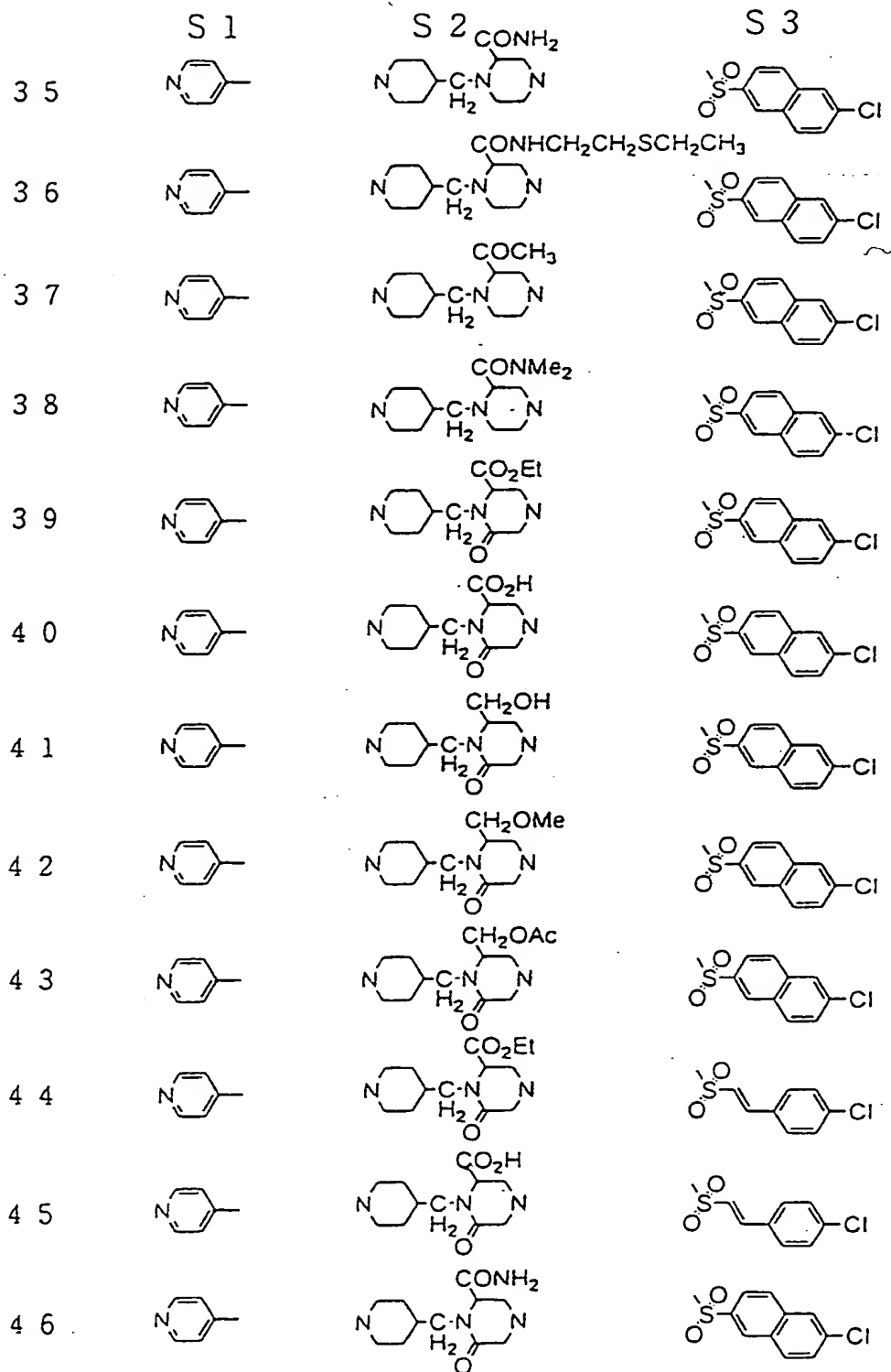


FIG. 5

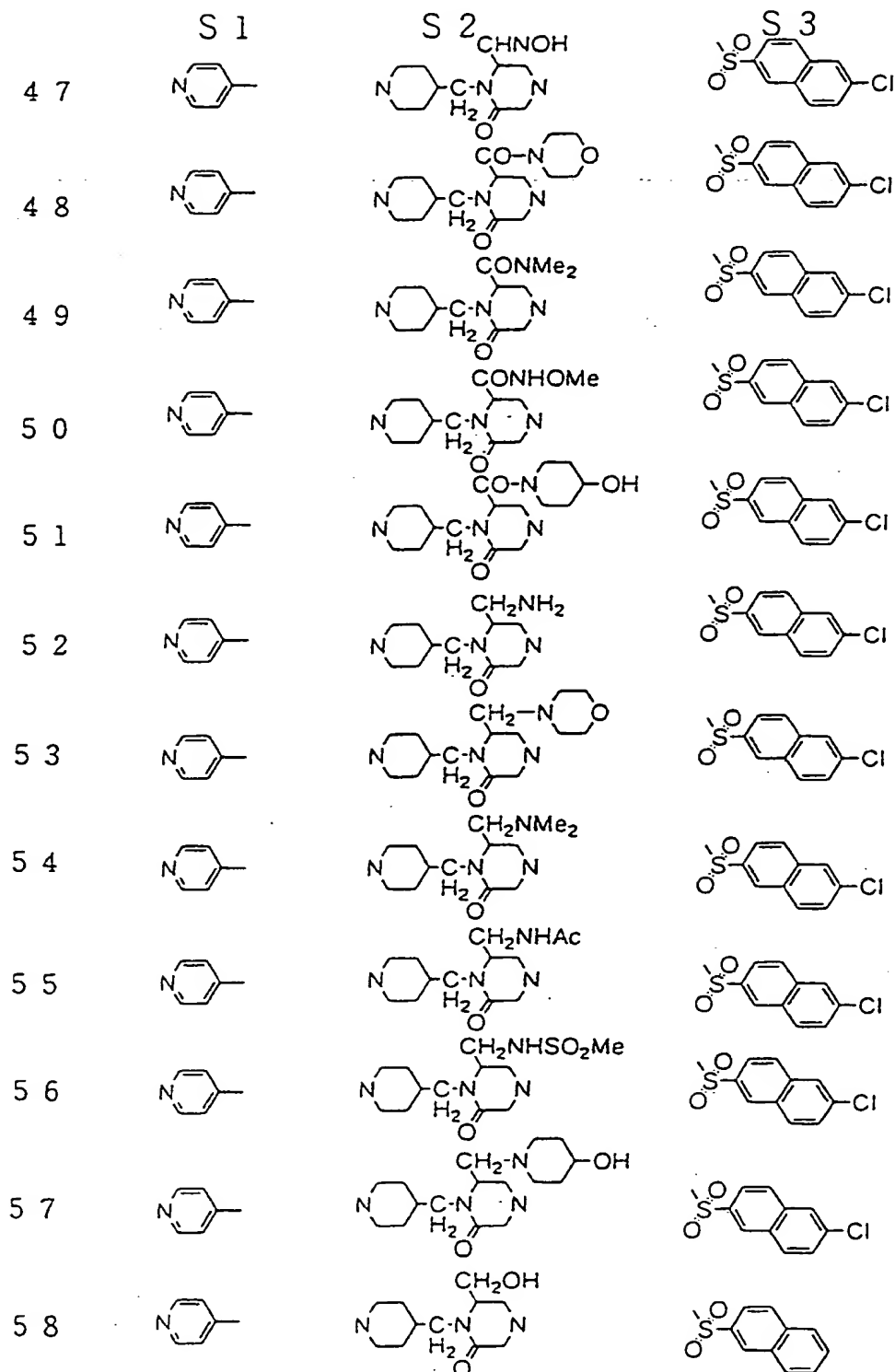


FIG. 6


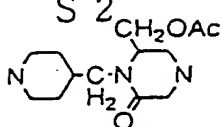
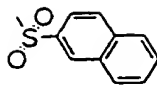

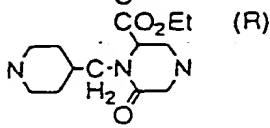
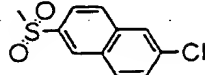

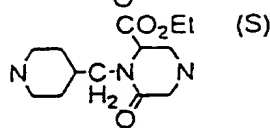
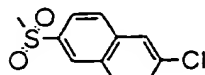

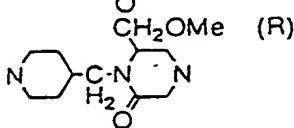
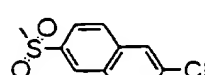

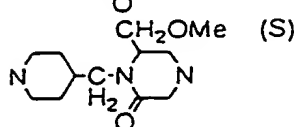
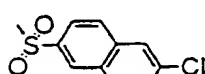

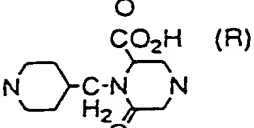
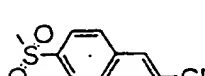

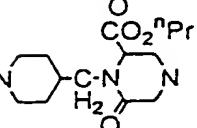
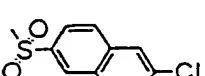

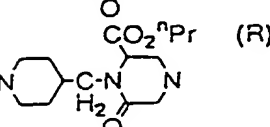
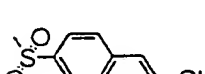

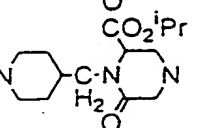
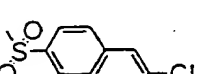

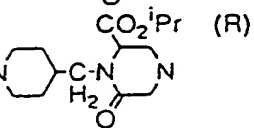
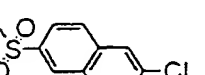

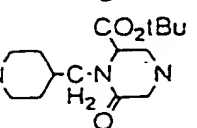
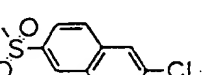

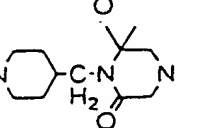
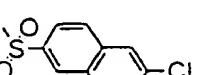
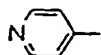
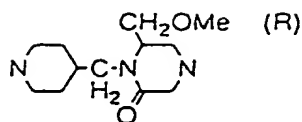
	S 1	S 2	S 3
5 9			
6 0			
6 1			
6 2			
6 3			
6 4			
6 5			
6 6			
6 7			
6 8			
6 9			
7 0			

FIG. 7

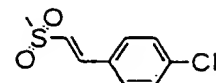
S 1



S 2



S 3



7 1

7 2 Methanesulfonate of the compound of Ex.No.3

7 3 Methanesulfonate of the compound of Ex.No.23

7 4 Methanesulfonate of the compound of Ex.No.25

7 5 Methanesulfonate of the compound of Ex.No.39

7 6 Methanesulfonate of the compound of Ex.No.40

7 7 Methanesulfonate of the compound of Ex.No.41

7 8 Methanesulfonate of the compound of Ex.No.42

7 9 Methanesulfonate of the compound of Ex.No.43

8 0 Methanesulfonate of the compound of Ex.No.44

8 1 Methanesulfonate of the compound of Ex.No.45

8 2 Methanesulfonate of the compound of Ex.No.48

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	574	252

FIG. 8

S 1

S 2

S 3

8 3 Methanesulfonate of the compound of Ex.No.52

8 4 Methanesulfonate of the compound of Ex.No.53

8 5 Methanesulfonate of the compound of Ex.No.54

8 6 Methanesulfonate of the compound of Ex.No.55

8 7 Methanesulfonate of the compound of Ex.No.56

8 8 Methanesulfonate of the compound of Ex.No.57

8 9 Methanesulfonate of the compound of Ex.No.60

9 0 Methanesulfonate of the compound of Ex.No.61

9 1 Methanesulfonate of the compound of Ex.No.62

9 2 Methanesulfonate of the compound of Ex.No.63

9 3 Methanesulfonate of the compound of Ex.No.64

9 4 Methanesulfonate of the compound of Ex.No.66

009290" 2428560

FIG. 9

S 1

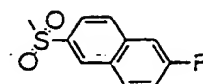
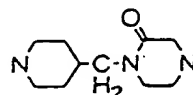
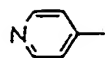
S 2

S 3

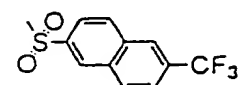
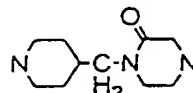
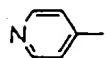
9 5

Methanesulfonate of the compound of Ex.No.68

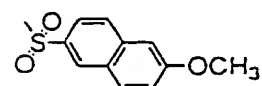
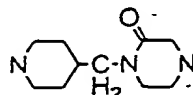
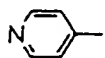
9 6



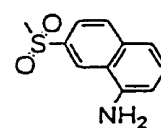
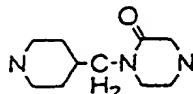
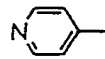
9 7



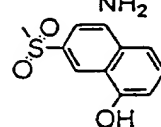
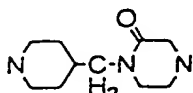
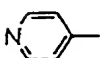
9 8



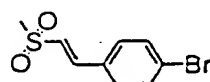
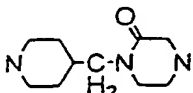
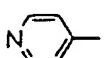
9 9



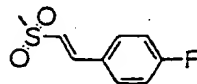
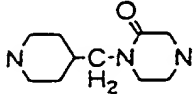
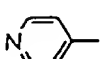
1 0 0



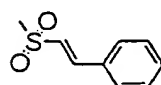
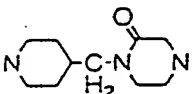
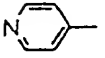
1 0 1



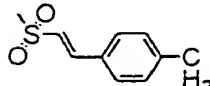
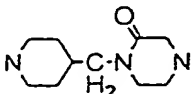
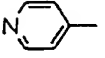
1 0 2



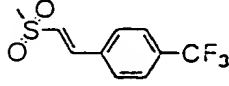
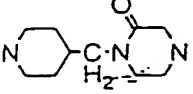
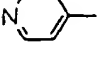
1 0 3



1 0 4



1 0 5



1 0 6

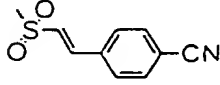
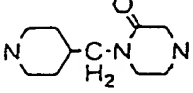
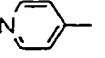


FIG.10

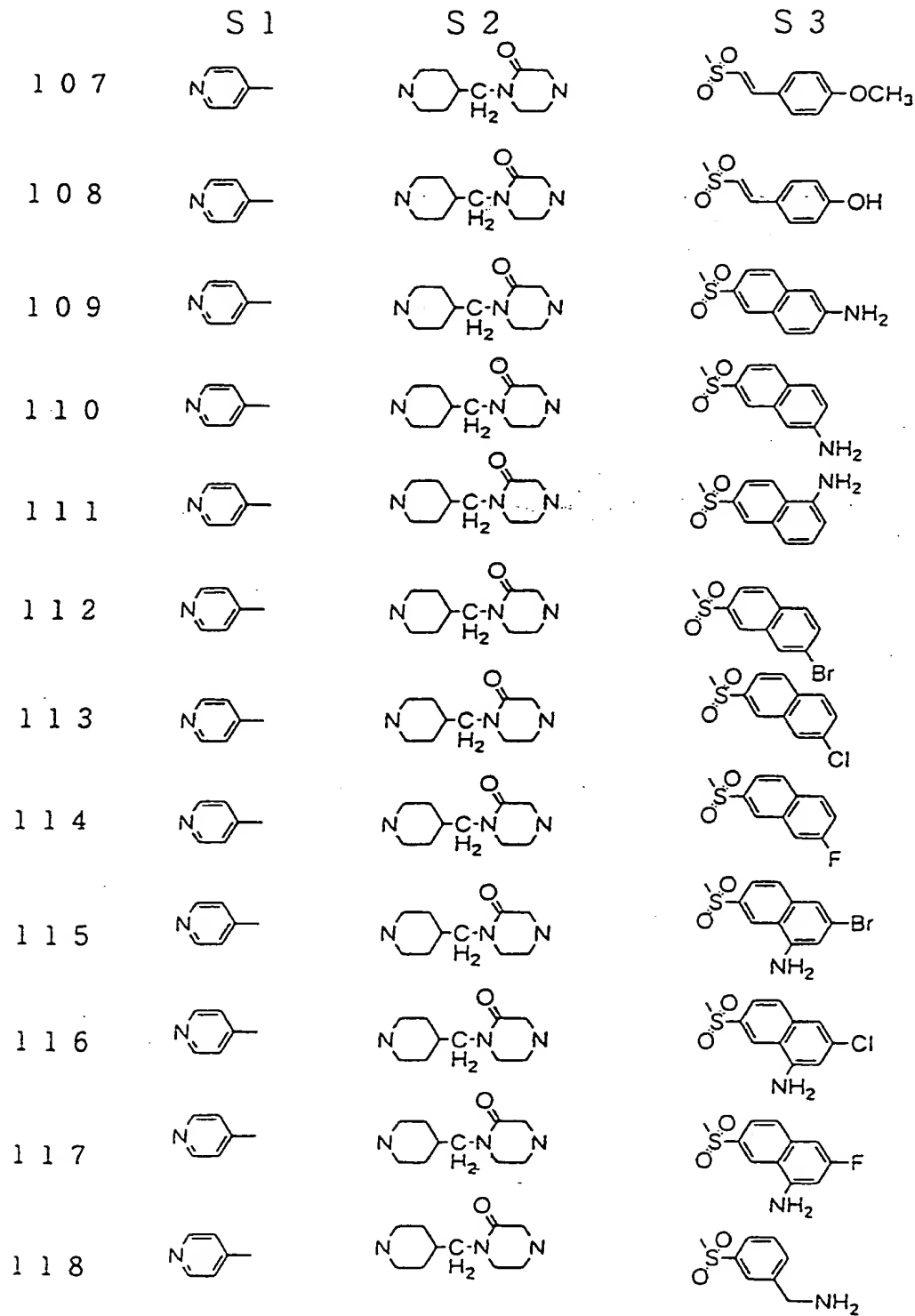


FIG. 11

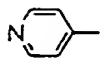
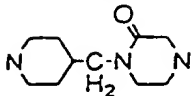
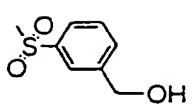
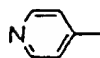
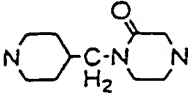
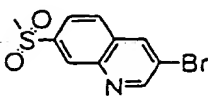
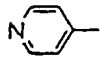
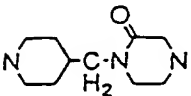
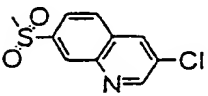
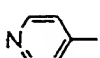
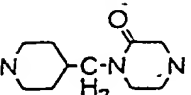
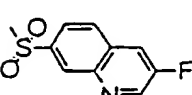
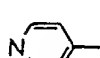
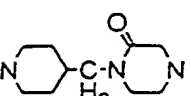
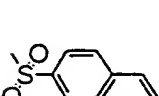

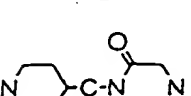
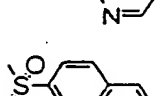

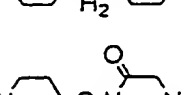
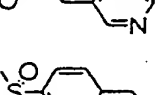

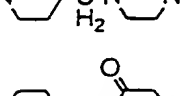
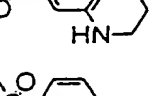

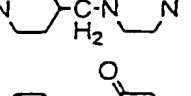
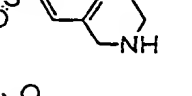

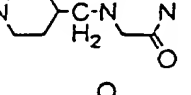
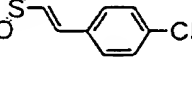
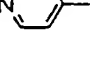
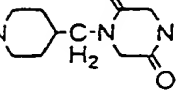
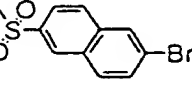
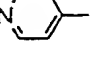
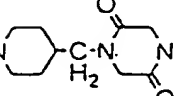
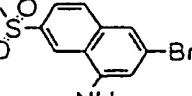
	S 1	S 2	S 3
1 1 9			
1 2 0			
1 2 1			
1 2 2			
1 2 3			
1 2 4			
1 2 5			
1 2 6			
1 2 7			
1 2 8			
1 2 9			
1 3 0			

FIG.12

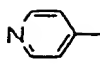
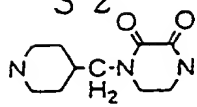
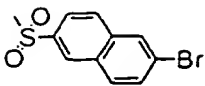
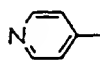
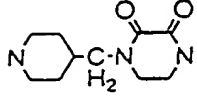
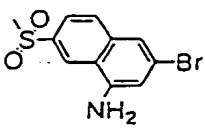
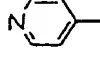
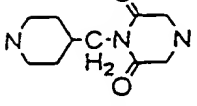
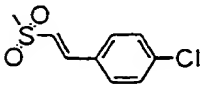
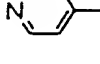
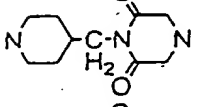
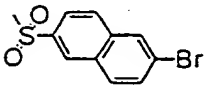

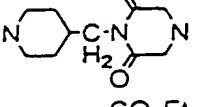
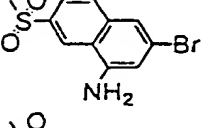

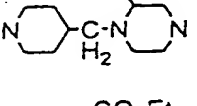
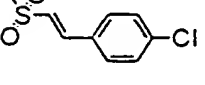

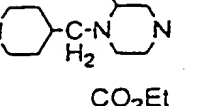
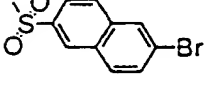

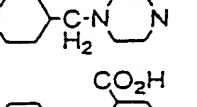
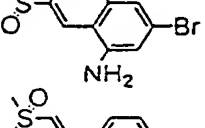

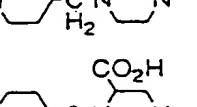
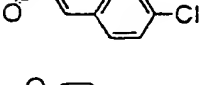

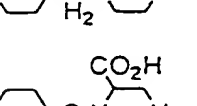
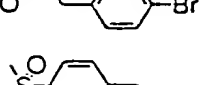

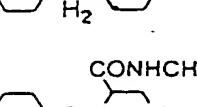
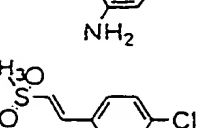

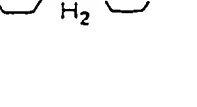

	S 1	S 2	S 3
1 3 1			
1 3 2			
1 3 3			
1 3 4			
1 3 5			
1 3 6			
1 3 7			
1 3 8			
1 3 9			
1 4 0			
1 4 1			
1 4 2			

FIG. 13


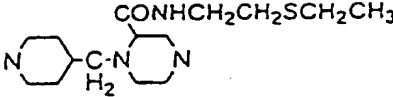
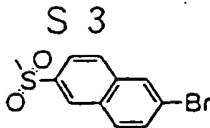

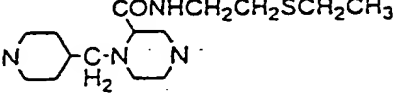
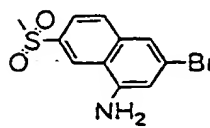

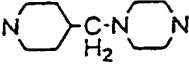
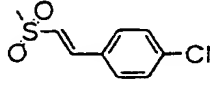

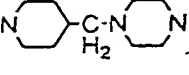
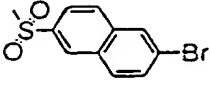

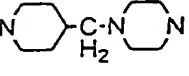
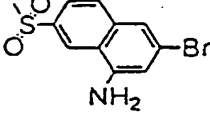

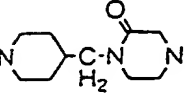
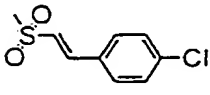

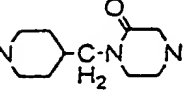
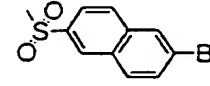

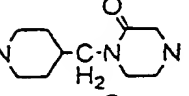
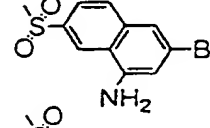

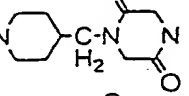
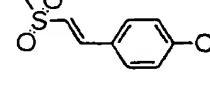

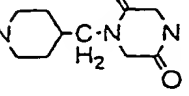
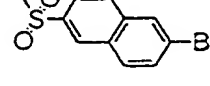

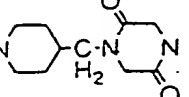
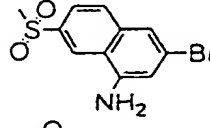

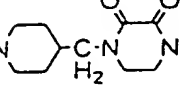
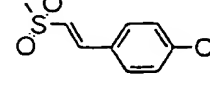
	S 1	S 2	S 3
1 4 3			
1 4 4			
1 4 5			
1 4 6			
1 4 7			
1 4 8			
1 4 9			
1 5 0			
1 5 1			
1 5 2			
1 5 3			
1 5 4			

FIG. 14


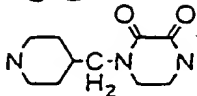
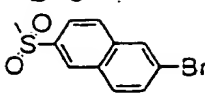

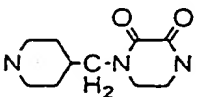
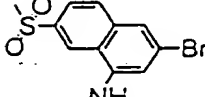

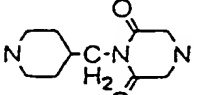
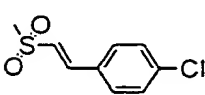

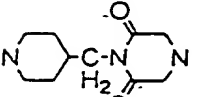
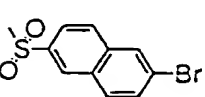

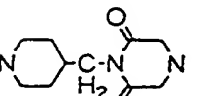
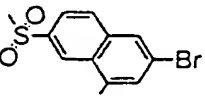

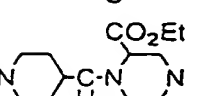
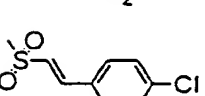

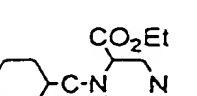
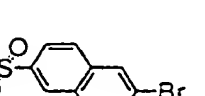

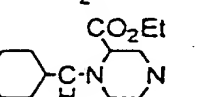
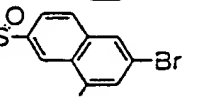

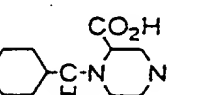
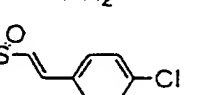

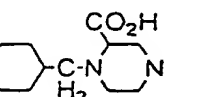
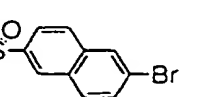

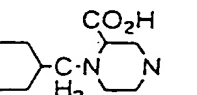
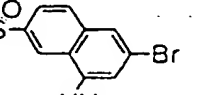

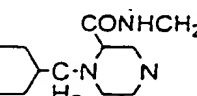
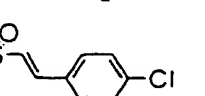
155	S 1 	S 2 	S 3 
156			
157			
158			
159			
160			
161			
162			
163			
164			
165			
166			

FIG.15

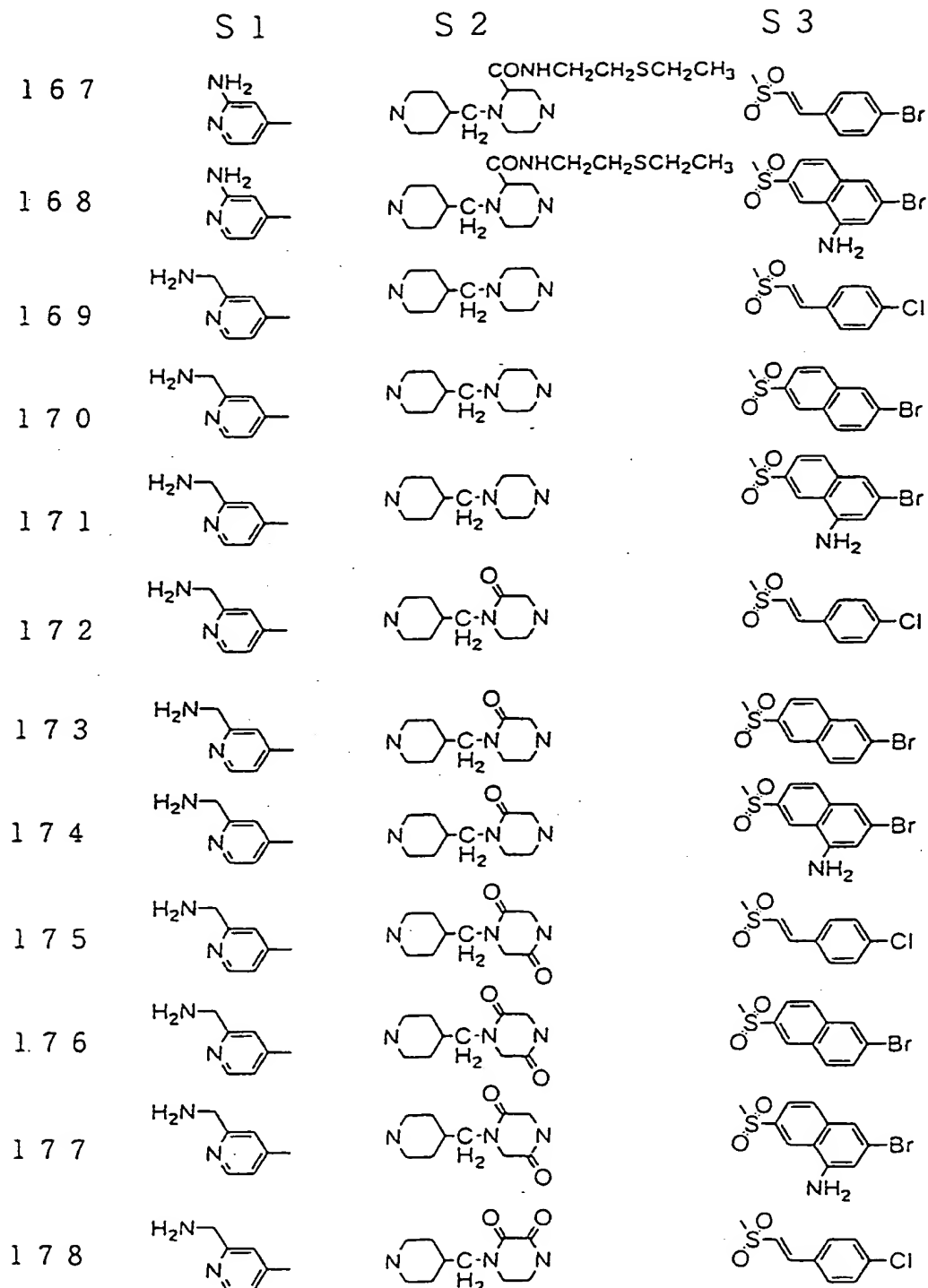


FIG. 16

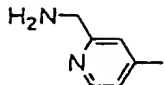
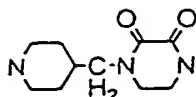
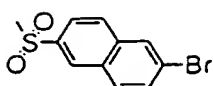
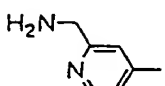
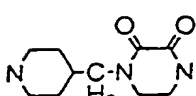
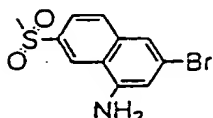
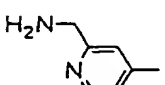
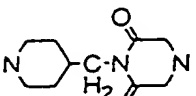
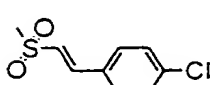
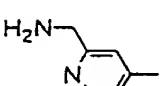
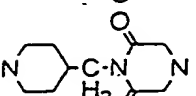
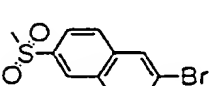
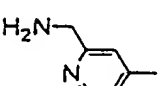
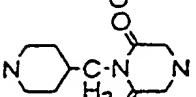
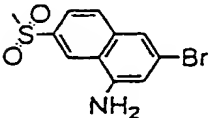
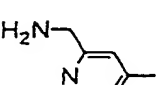
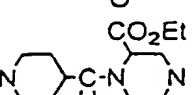
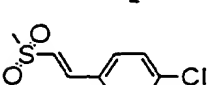
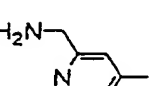
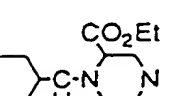
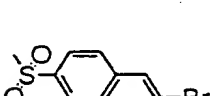
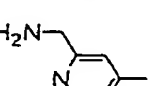
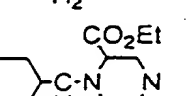
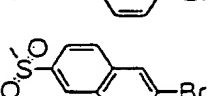
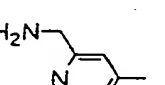
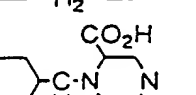
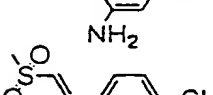
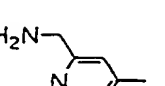
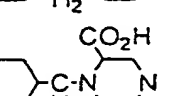
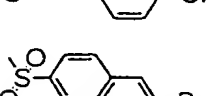
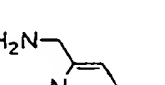
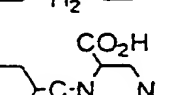
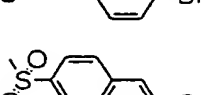
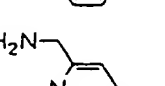
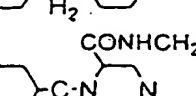
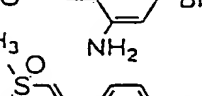
	S 1	S 2	S 3
1 7 9			
1 8 0			
1 8 1			
1 8 2			
1 8 3			
1 8 4			
1 8 5			
1 8 6			
1 8 7			
1 8 8			
1 8 9			
1 9 0			

FIG.17


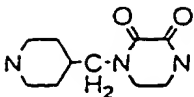
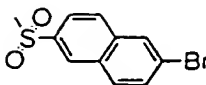

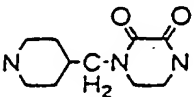
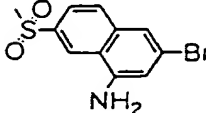

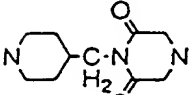
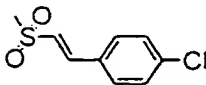

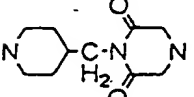
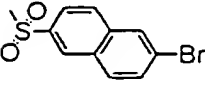

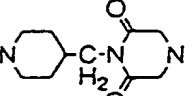
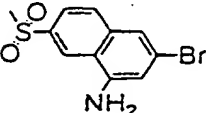

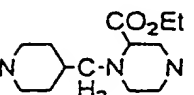
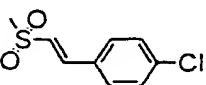

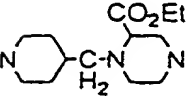
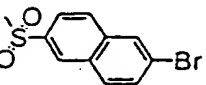

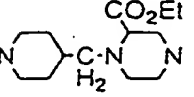
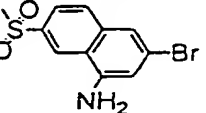

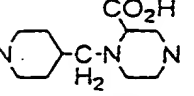
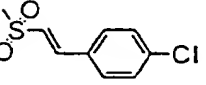

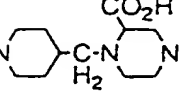
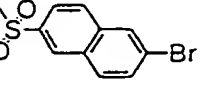

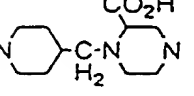
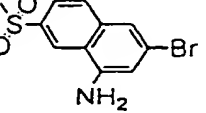

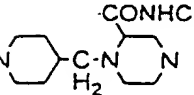
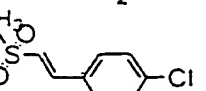
S 1

S 2

S 3

191			
192			
193			
194			
195			
196			
197			
198			
199			
200			
201			
202			

FIG.18

	S 1	S 2	S 3
2 0 3			
2 0 4			
2 0 5			
2 0 6			
2 0 7			
2 0 8			
2 0 9			
2 1 0			
2 1 1			
2 1 2			
2 1 3			
2 1 4			

009290" 24428560

FIG. 19


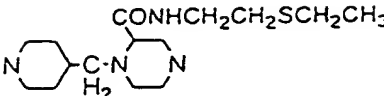
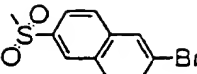

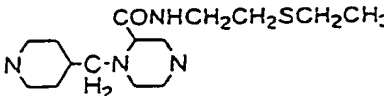
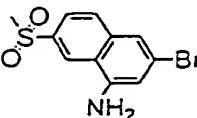
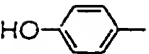
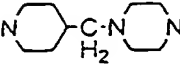
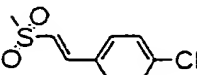
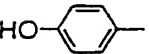
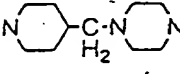
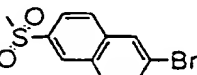
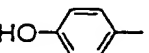
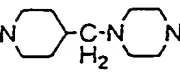
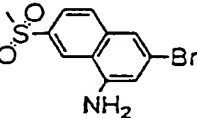
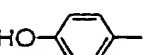
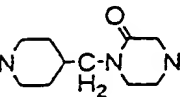
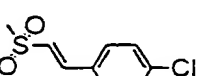
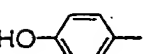
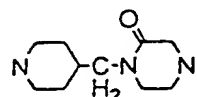
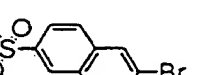
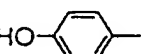
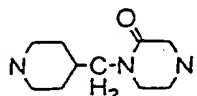
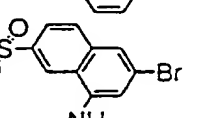
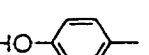
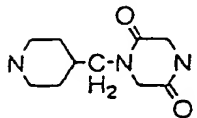
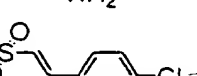
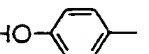
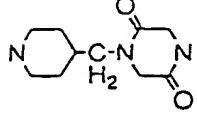
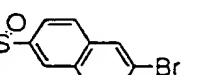

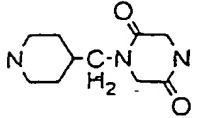
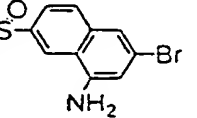
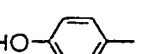
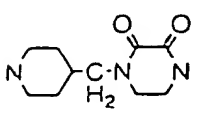

	S 1	S 2	S 3
2 1 5			
2 1 6			
2 1 7			
2 1 8			
2 1 9			
2 2 0			
2 2 1			
2 2 2			
2 2 3			
2 2 4			
2 2 5			
2 2 6			

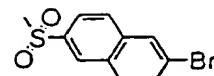
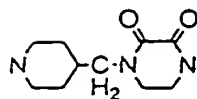
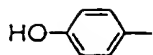
FIG.20

S 1

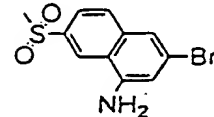
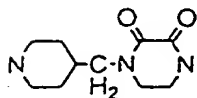
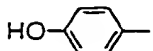
S 2

S 3

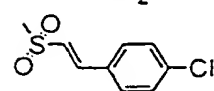
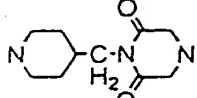
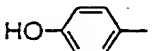
2 2 7



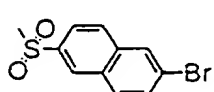
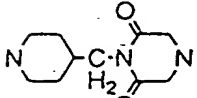
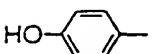
2 2 8



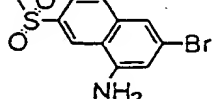
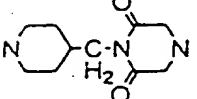
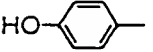
2 2 9



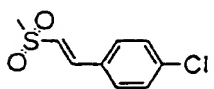
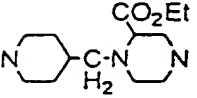
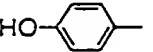
2 3 0



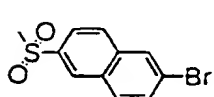
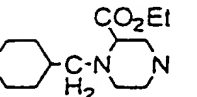
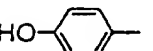
2 3 1



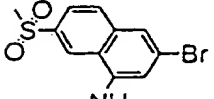
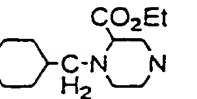
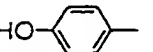
2 3 2



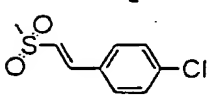
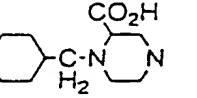
2 3 3



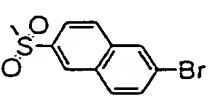
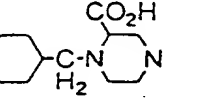
2 3 4



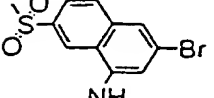
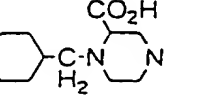
2 3 5



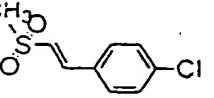
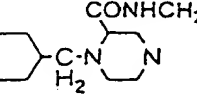
2 3 6



2 3 7



2 3 8



0000000000000

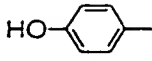
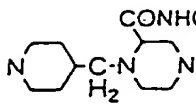
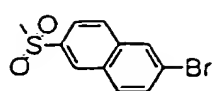
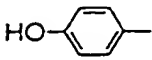
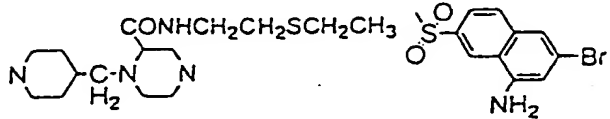
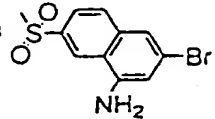
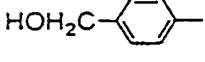
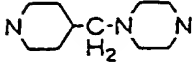
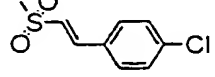
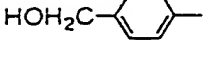
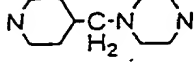
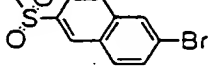
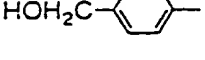
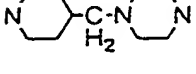
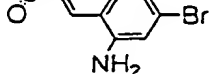

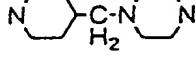
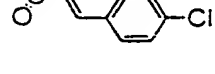
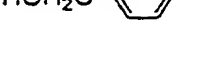
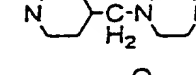
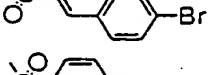

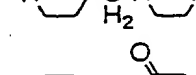
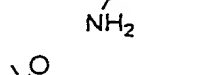

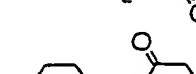
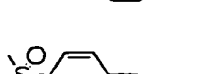

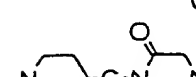
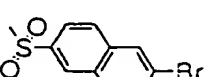
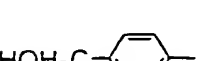
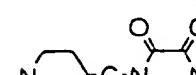
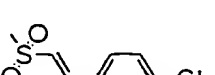



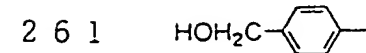
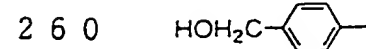
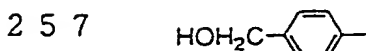
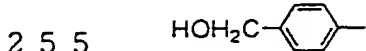
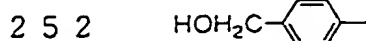
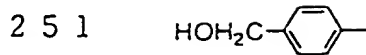
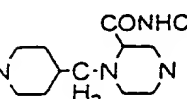
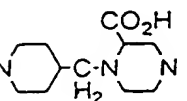
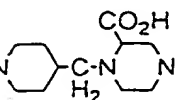
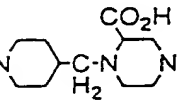
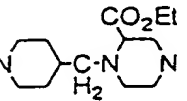
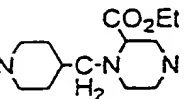
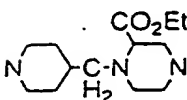
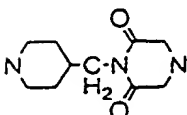
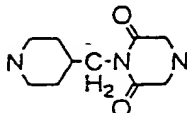
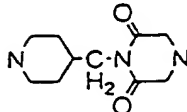
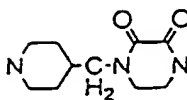
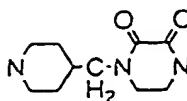
	S 1	S 2	S 3
2 3 9			
2 4 0			
2 4 1			
2 4 2			
2 4 3			
2 4 4			
2 4 5			
2 4 6			
2 4 7			
2 4 8			
2 4 9			
2 5 0			

FIG.22

S 1



S 2



S 3

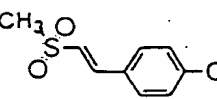
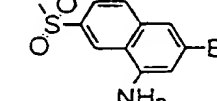
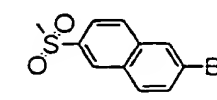
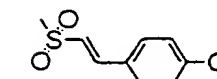
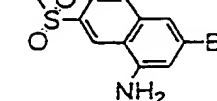
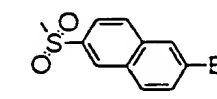
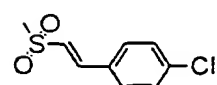
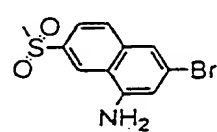
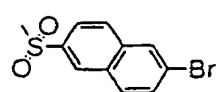
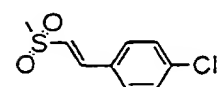
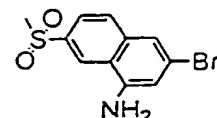
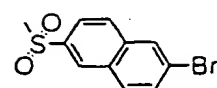


FIG.23

	S 1	S 2	S 3
2 6 3			
2 6 4			
2 6 5			
2 6 6			
2 6 7			
2 6 8			
2 6 9			
2 7 0			
2 7 1			
2 7 2			
2 7 3			
2 7 4			

FIG.24

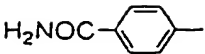
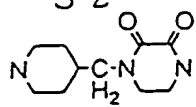
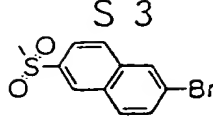
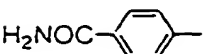
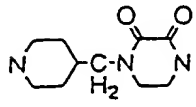
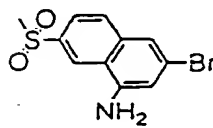
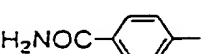
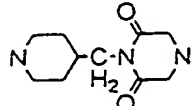
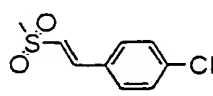
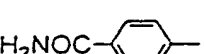
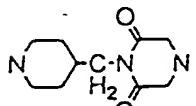
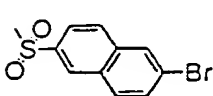
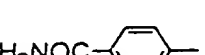
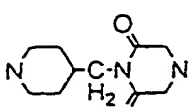
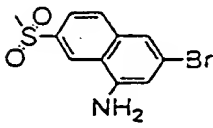
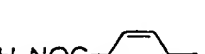
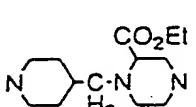
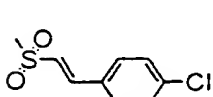

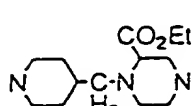
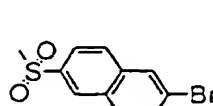

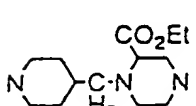
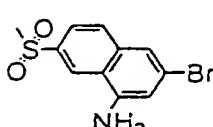
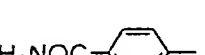
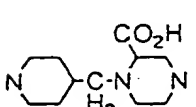
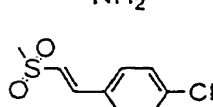
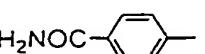
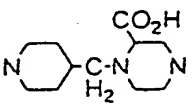
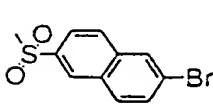
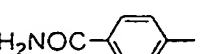
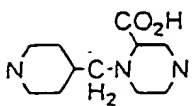
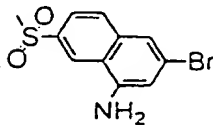
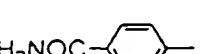
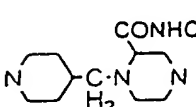
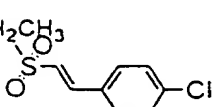
	S 1	S 2	S 3
2 7 5			
2 7 6			
2 7 7			
2 7 8			
2 7 9			
2 8 0			
2 8 1			
2 8 2			
2 8 3			
2 8 4			
2 8 5			
2 8 6			

FIG.25

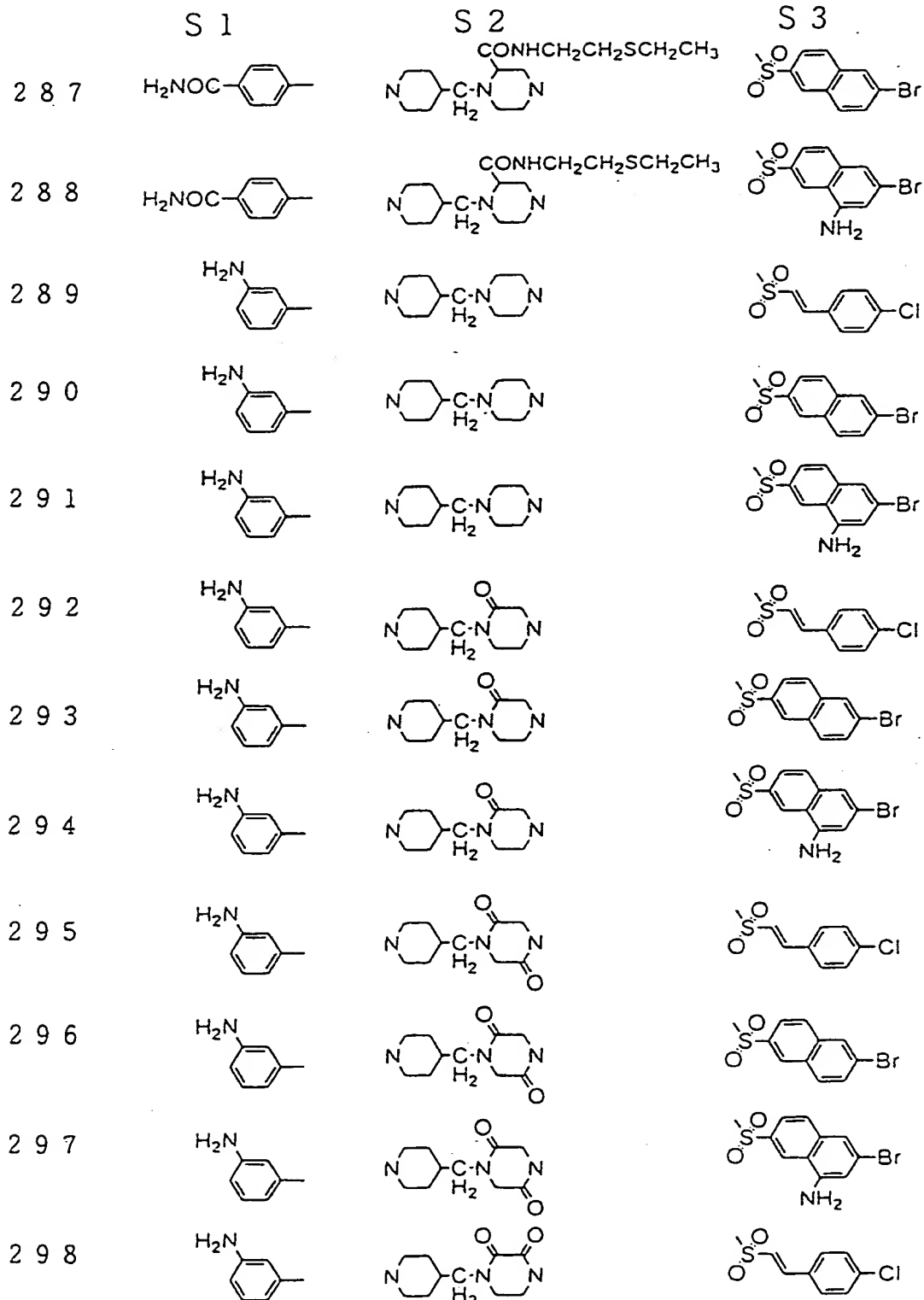


FIG. 26

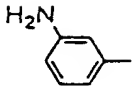
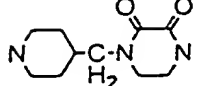
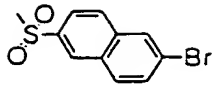
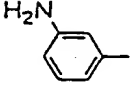
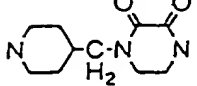
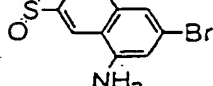
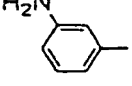
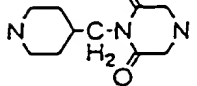
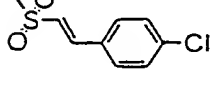
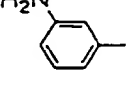
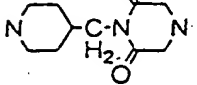
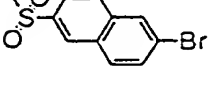
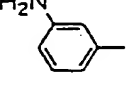
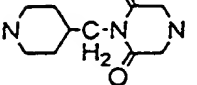
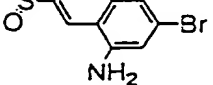
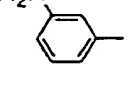
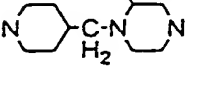
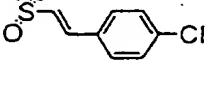
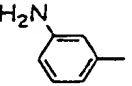
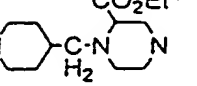
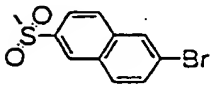
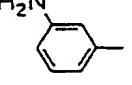
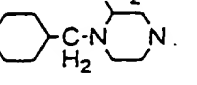
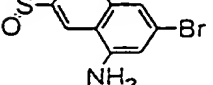
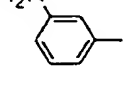
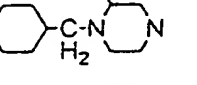
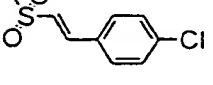
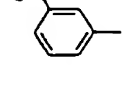
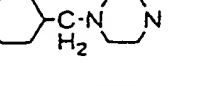
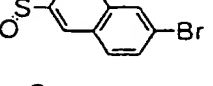
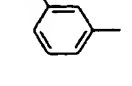
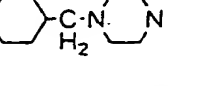
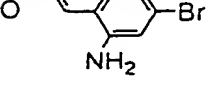
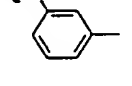
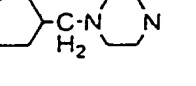
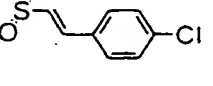
	S 1	S 2	S 3
2 9 9			
3 0 0			
3 0 1			
3 0 2			
3 0 3			
3 0 4			
3 0 5			
3 0 6			
3 0 7			
3 0 8			
3 0 9			
3 1 0			

FIG.27

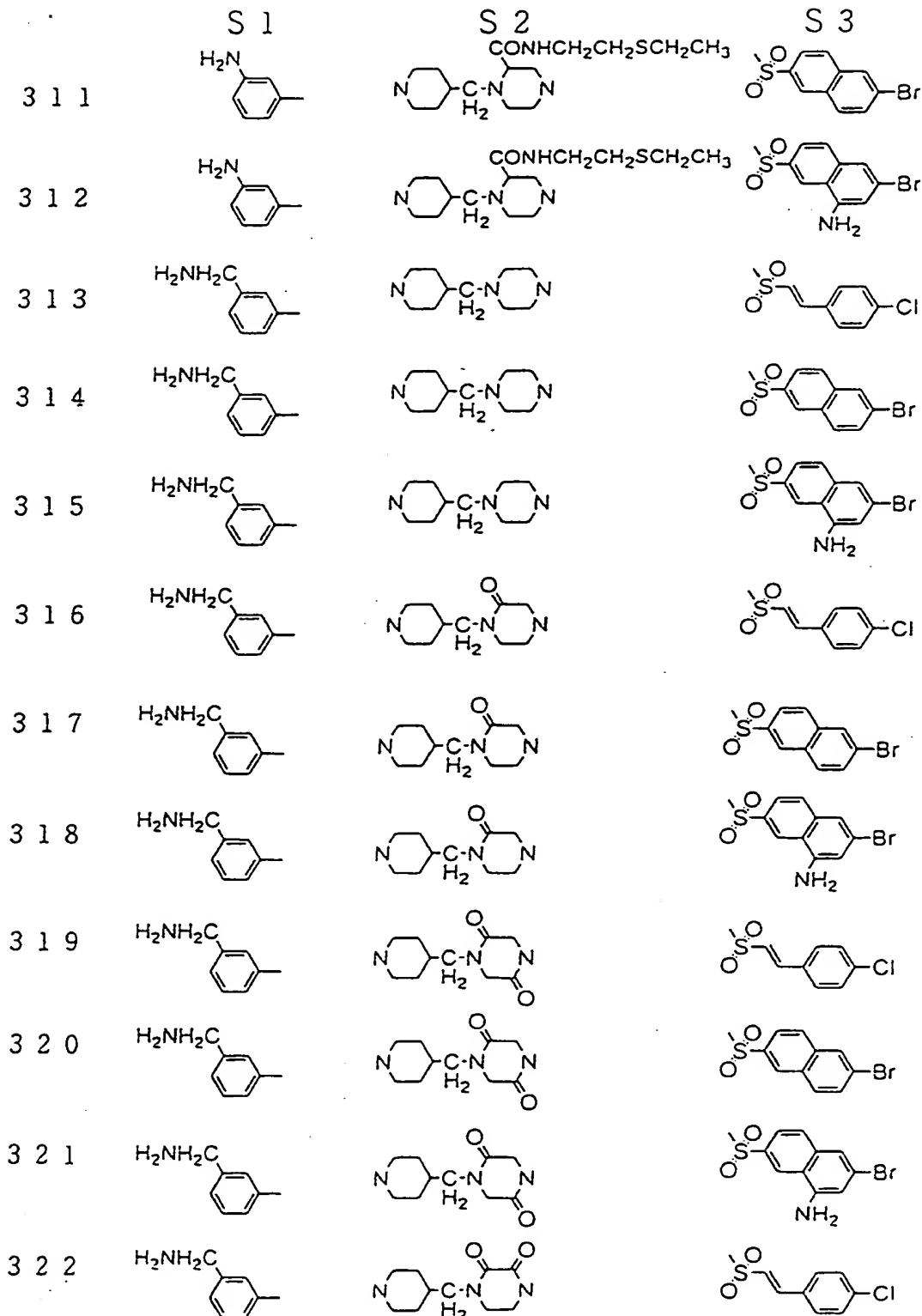


FIG. 28

	S 1	S 2	S 3
3 2 3			
3 2 4			
3 2 5			
3 2 6			
3 2 7			
3 2 8			
3 2 9			
3 3 0			
3 3 1			
3 3 2			
3 3 3			
3 3 4			

FIG. 29

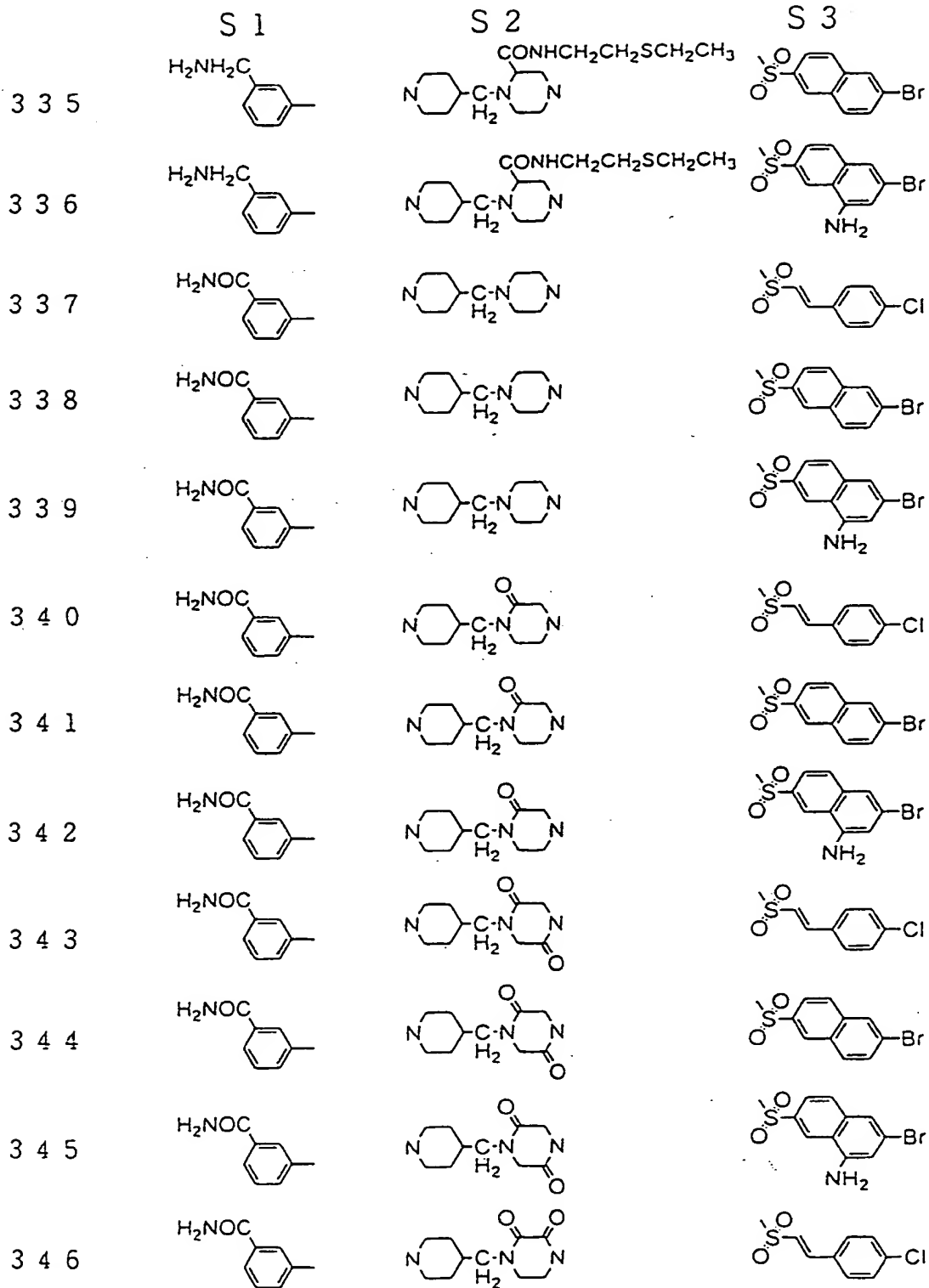
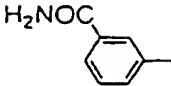
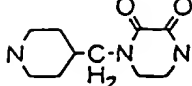
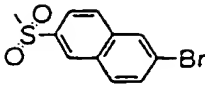
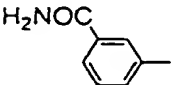
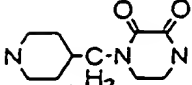
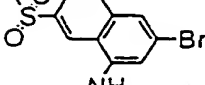
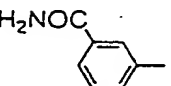
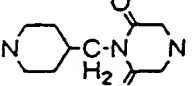
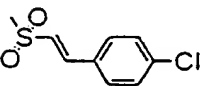
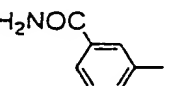
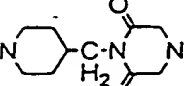
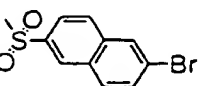
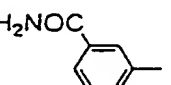
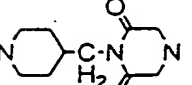
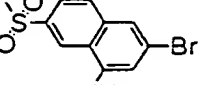
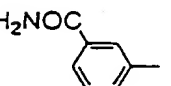
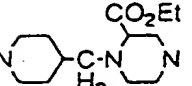
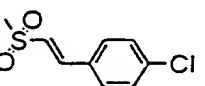
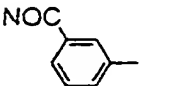
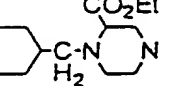
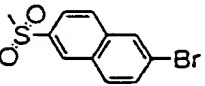
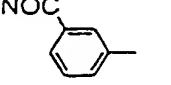
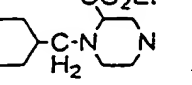
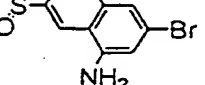
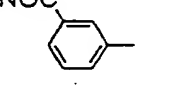
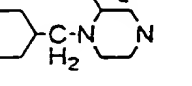
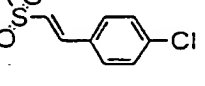
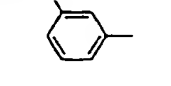
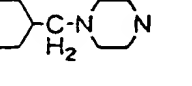
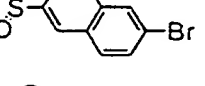
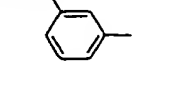
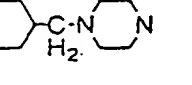
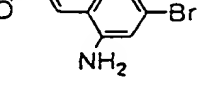
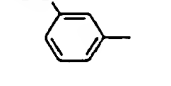
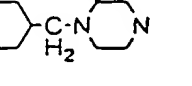
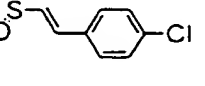
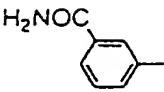
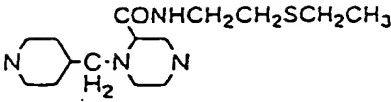
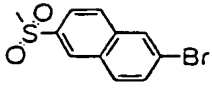
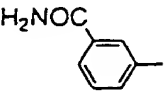
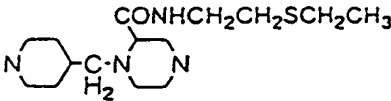
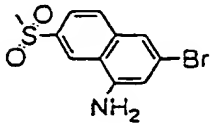
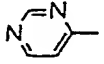
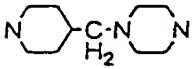
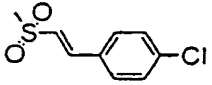
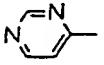
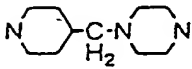
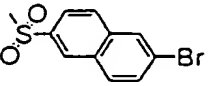
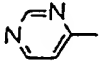
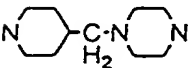
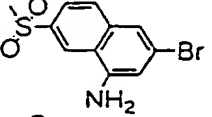
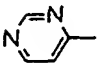
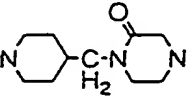
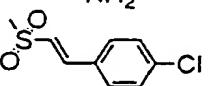
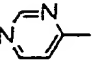
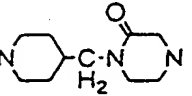
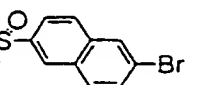
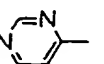
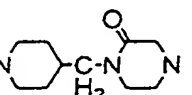
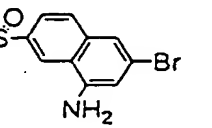
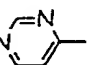
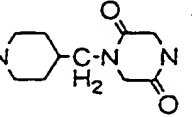
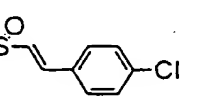
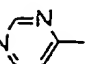
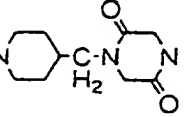
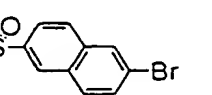
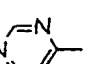
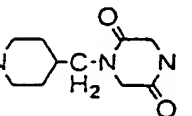
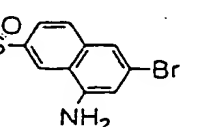
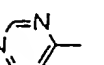
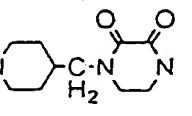
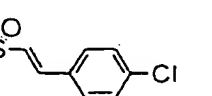


FIG. 30

	S 1	S 2	S 3
3 4 7			
3 4 8			
3 4 9			
3 5 0			
3 5 1			
3 5 2			
3 5 3			
3 5 4			
3 5 5			
3 5 6			
3 5 7			
3 5 8			

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	514	252

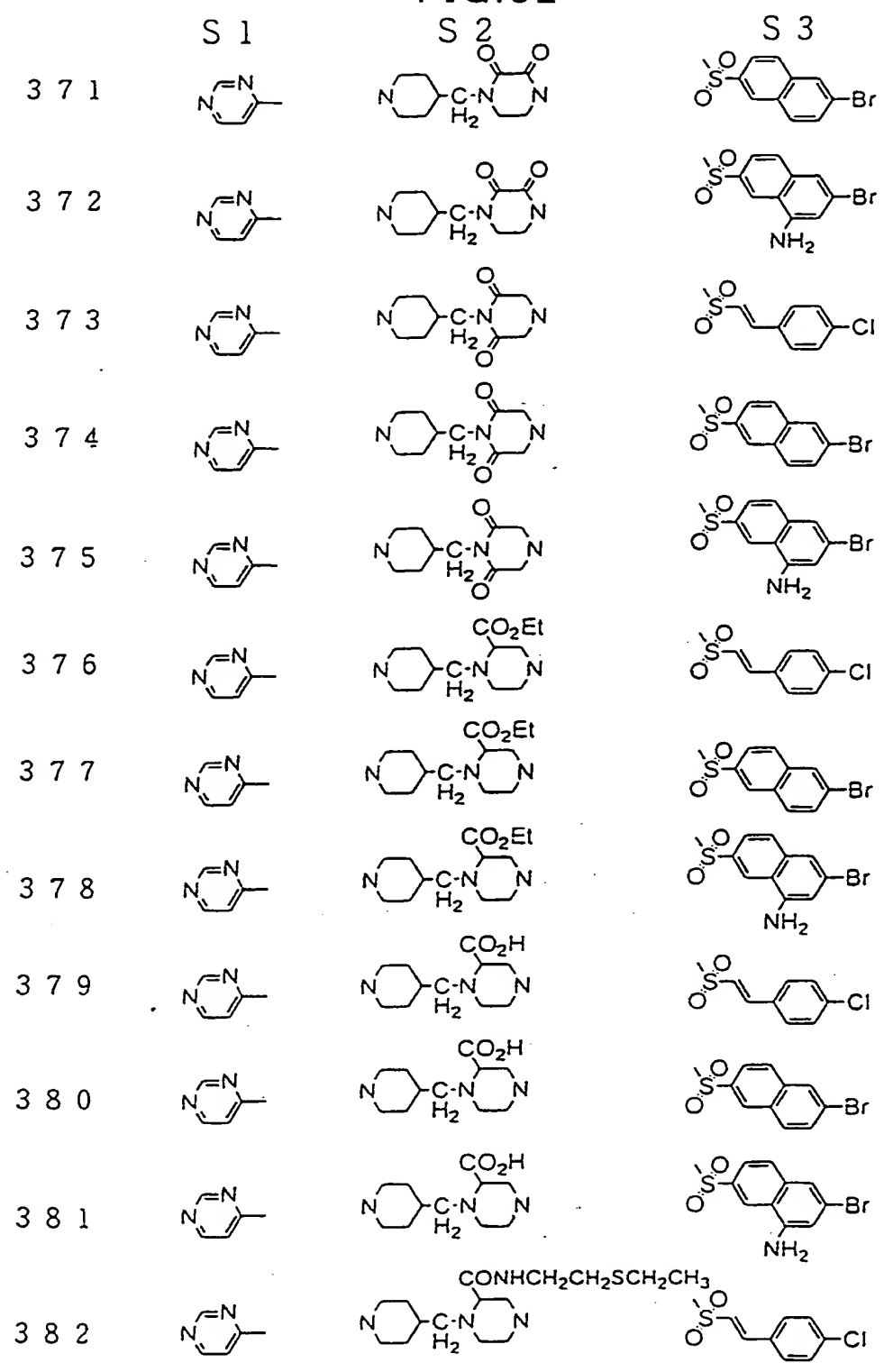
FIG. 31

	S 1	S 2	S 3
3 5 9			
3 6 0			
3 6 1			
3 6 2			
3 6 3			
3 6 4			
3 6 5			
3 6 6			
3 6 7			
3 6 8			
3 6 9			
3 7 0			

009290" 24428560

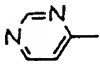
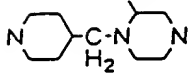
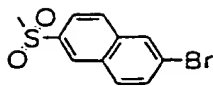
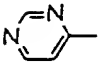
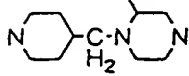
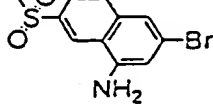
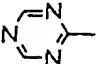
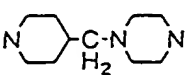
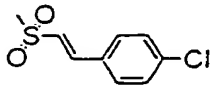
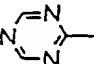
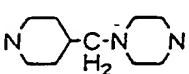
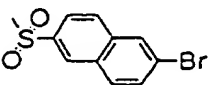
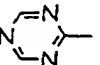
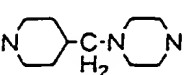
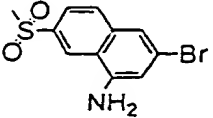
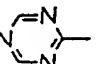
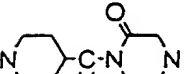
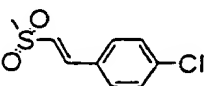
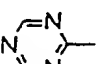
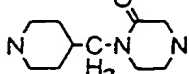
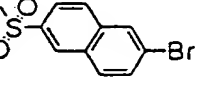
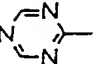
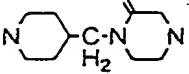
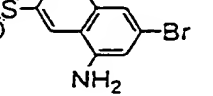
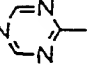
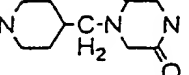
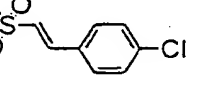
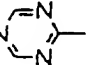
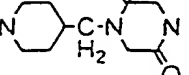
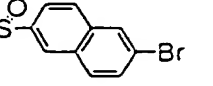
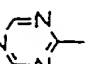
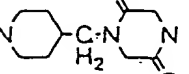
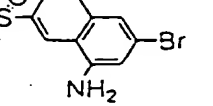
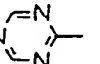
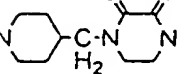
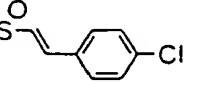
FIG.32

009290" 2428560



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	514	252

FIG. 33

	S 1	S 2	S 3
3 8 3			
3 8 4			
3 8 5			
3 8 6			
3 8 7			
3 8 8			
3 8 9			
3 9 0			
3 9 1			
3 9 2			
3 9 3			
3 9 4			

09582442-062600

FIG.34

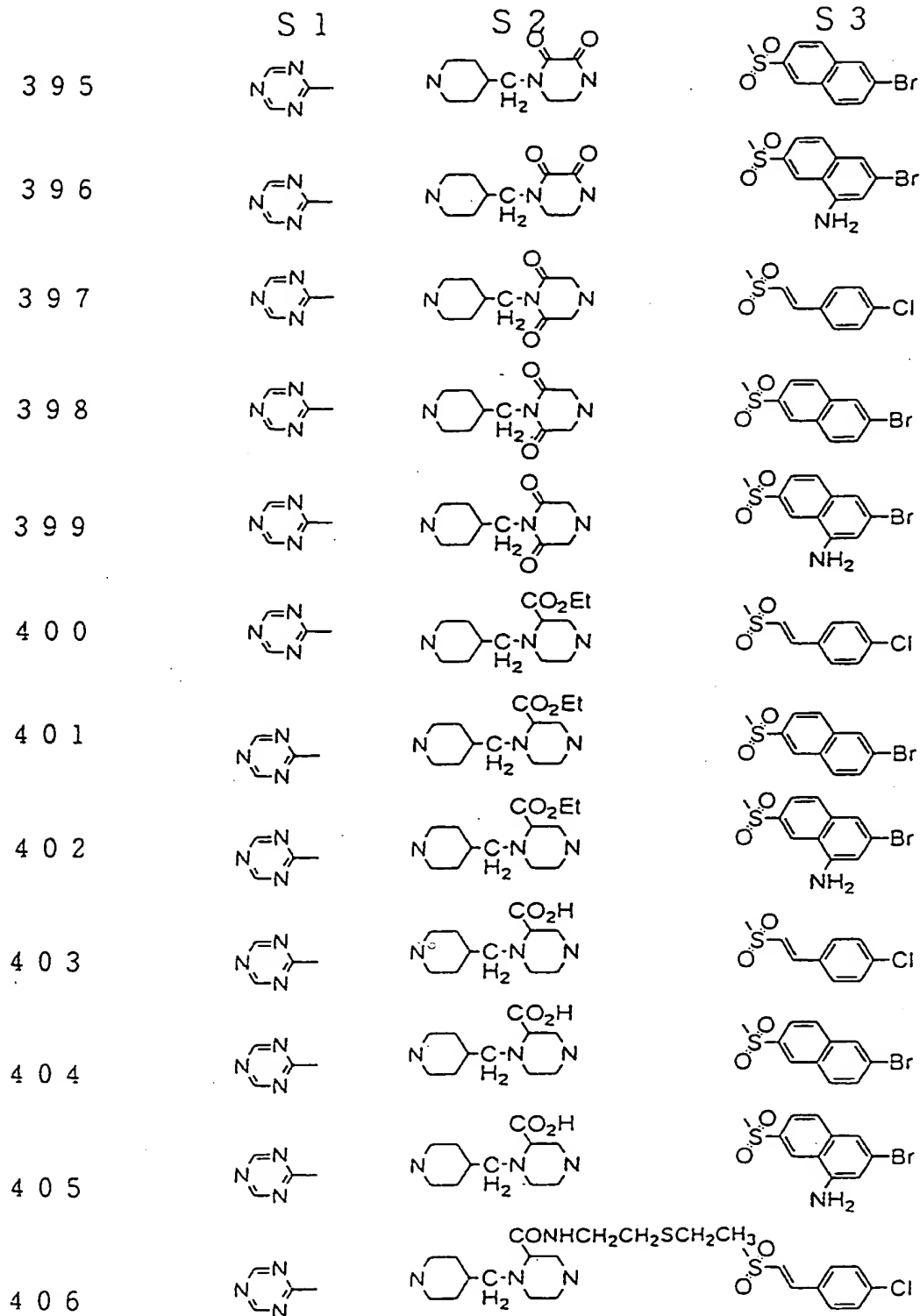


FIG.35


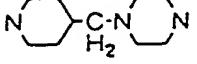
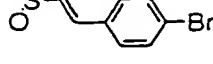

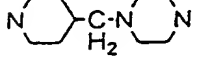
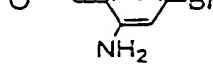
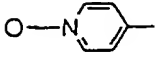
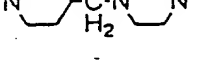
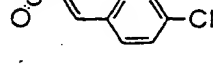
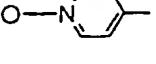
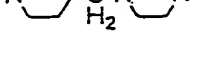
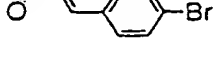
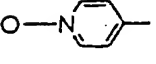
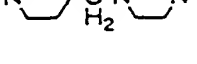
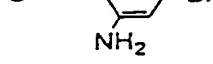
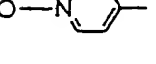
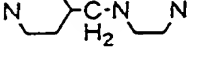
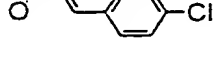
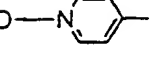
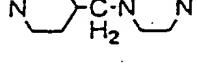
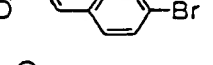
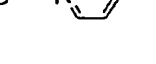
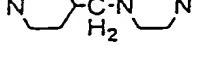
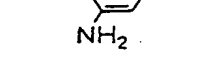

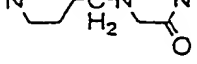
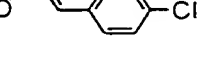

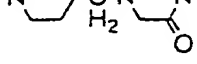
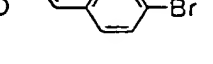
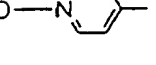
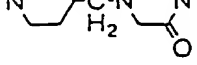
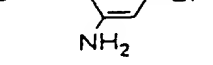
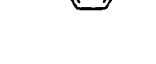
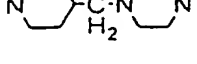
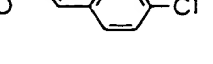
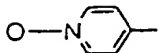
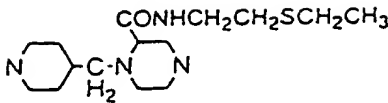
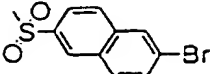
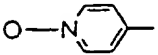
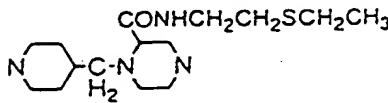
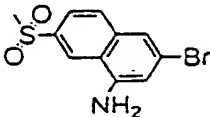
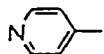
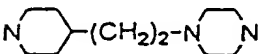
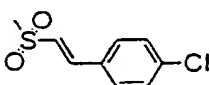
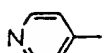
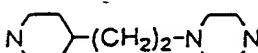
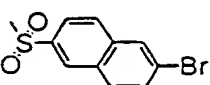
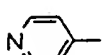
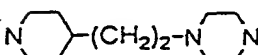
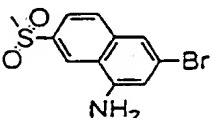
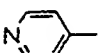
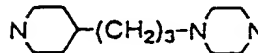
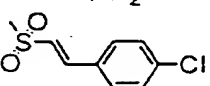
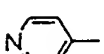
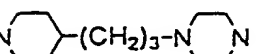
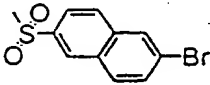
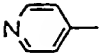
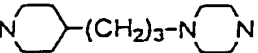
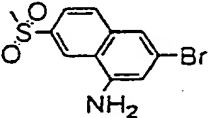
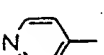
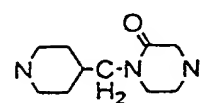
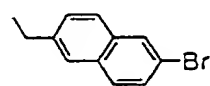
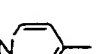
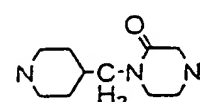
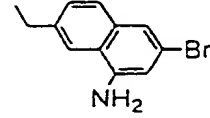
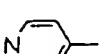
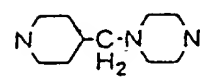
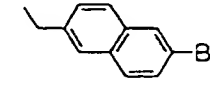
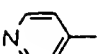
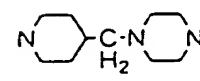
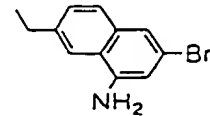
	S 1	S 2	S 3
4 0 7			
4 0 8			
4 0 9			
4 1 0			
4 1 1			
4 1 2			
4 1 3			
4 1 4			
4 1 5			
4 1 6			
4 1 7			
4 1 8			

FIG. 36

	S 1	S 2	S 3
4 1 9			
4 2 0			
4 2 1			
4 2 2			
4 2 3			
4 2 4			
4 2 5			
4 2 6			
4 2 7			
4 2 8			
4 2 9			
4 3 0			

FIG. 37

	S 1	S 2	S 3
4 3 1			
4 3 2			
4 3 3			
4 3 4			
4 3 5			
4 3 6			
4 3 7			
4 3 8			
4 3 9			
4 4 0			
4 4 1			
4 4 2			

009290" 24428560

FIG.38


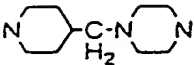
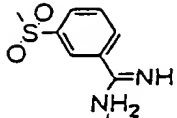

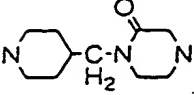
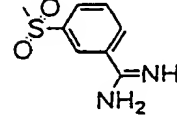

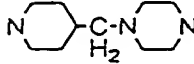
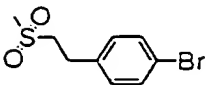

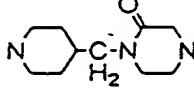
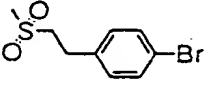

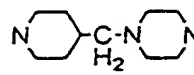
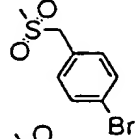

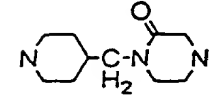
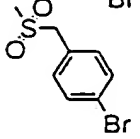
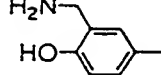
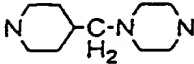
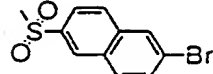
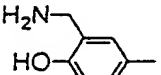
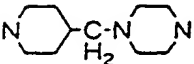
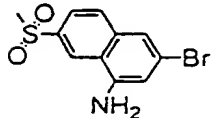
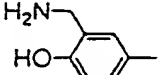
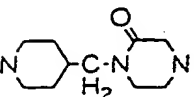
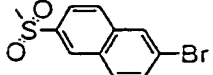
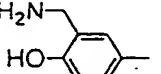
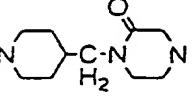
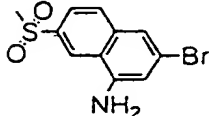
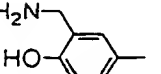
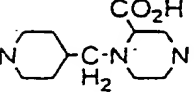
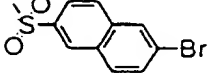
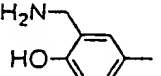
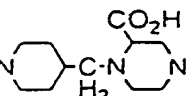
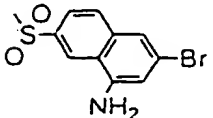
	S 1	S 2	S 3
4 4 3			
4 4 4			
4 4 5			
4 4 6			
4 4 7			
4 4 8			
4 4 9			
4 5 0			
4 5 1			
4 5 2			
4 5 3			
4 5 4			

FIG.40

Ex.No.	NMR (ppm) (*:300MHz, Without asterisk:270MHz)
1	DMSO-d ₆ *: 8.20-8.10 (2H, m), 7.81 (2H, d, J=9Hz), 7.52 (2H, d, J=9Hz), 7.46-7.30 (2H, m), 6.90-6.75 (2H, m), 3.65-3.55 (2H, m), 3.43-3.18 (4H, m), 2.75-2.62 (2H, m), 2.61-2.44 (4H, m), 2.44-2.31 (1H, m), 1.90-1.80 (2H, m), 1.58-1.40 (2H, m)
2	DMSO-d ₆ *: 8.17-8.11 (2H, m), 7.81 (2H, d, J=9Hz), 7.52 (2H, d, J=9Hz), 7.44-7.29 (2H, m), 6.83-6.77 (2H, m), 3.63-3.52 (2H, m), 3.31-3.20 (4H, m), 2.72-2.58 (2H, m), 2.47-2.37 (4H, m), 2.17 (2H, d, J=7Hz), 1.86-1.75 (2H, m), 1.70-1.55 (1H, m), 1.25-1.05 (2H, m)
3	CDC1 ₃ *: 8.26-8.17 (2H, m), 7.47-7.37 (5H, m), 6.73-6.62 (3H, m), 3.93-3.80 (2H, m), 3.30-3.16 (4H, m), 1.12.89-2.75 (2H, m), 2.60-2.47 (4H, m), 2.24 (2H, d, J=7Hz), 1.89-1.65 (3H, m), 1.30-1.13 (2H, m)
4	CDC1 ₃ : 8.36-8.32 (1H, m), 8.20-8.11 (2H, m), 8.04-7.92 (3H, m), 7.76 (1H, dd, J=2, 9Hz), 7.72-7.60 (2H, m), 6.69-6.62 (2H, m), 3.93-3.82 (2H, m), 3.16-3.04 (4H, m), 2.98-2.78 (2H, m), 2.55-2.44 (4H, m), 2.19 (2H, d, J=7Hz), 1.86-1.63 (3H, m), 1.29-1.04 (2H, m)
5	CDC1 ₃ : 8.32-8.29 (1H, m), 8.22-8.16 (2H, m), 8.01-7.86 (3H, m), 7.77 (1H, dd, J=2, 9Hz), 7.58 (1H, dd, J=2, 9Hz), 6.73-6.65 (2H, m), 3.97-3.84 (2H, m), 3.16-2.88 (6H, m), 2.56-2.43 (4H, m), 2.19 (2H, d, J=7Hz), 1.90-1.67 (3H, m), 1.25-1.06 (2H, m)
6	CDC1 ₃ : 8.32-8.28 (1H, m), 8.23-8.18 (2H, m), 8.11 (1H, d, J=2Hz), 7.90 (1H, d, J=9Hz), 7.85 (1H, d, J=9Hz), 7.78 (1H, dd, J=2, 9Hz), 7.71 (1H, dd, J=2, 9Hz), 6.62-6.57 (2H, m), 3.88-3.74 (2H, m), 3.18-2.99 (4H, m), 2.88-2.70 (2H, m), 2.59-2.42 (4H, m), 2.18 (2H, d, J=7Hz), 1.81-1.57 (3H, m), 1.35-1.04 (2H, m)
7	CDC1 ₃ *: 8.22-8.16 (2H, m), 7.95-7.86 (2H, m), 7.80 (1H, s), 7.56-7.46 (2H, m), 6.75-6.68 (2H, m), 4.00-3.92 (2H, m), 3.25-3.13 (4H, m), 3.06-2.95 (2H, m), 2.60-2.50 (4H, m), 2.23 (2H, d, J=7Hz), 1.93-1.72 (3H, m), 1.28-1.10 (2H, m)
8	DMSO-d ₆ : 8.21 (1H, dd, J=5, 8Hz), 8.14-8.08 (2H, m), 8.04 (1H, s), 7.94-7.87 (1H, m), 7.51 (1H, dt, J=3, 9Hz), 6.91-6.83 (2H, m), 4.03-3.87 (2H, m), 3.14-2.97 (4H, m), 2.95-2.78 (2H, m), 2.57-2.49 (4H, m), 2.15 (2H, d, J=7Hz), 1.85-1.62 (3H, m), 1.12-0.93 (2H, m)
9	CDC1 ₃ *: 8.25-8.17 (2H, m), 7.90-7.80 (2H, m), 7.76 (1H, s), 7.48-7.42 (1H, m), 6.67-6.59 (2H, m), 3.90-3.78 (2H, m), 3.23-3.11 (4H, m), 2.85-2.74 (2H, m), 2.60-2.48 (4H, m), 2.21 (2H, d, J=7Hz), 1.85-1.53 (3H, m), 1.30-1.09 (2H, m)
10	CDC1 ₃ *: 8.24-8.11 (2H, m), 7.95 (1H, s), 7.49-7.36 (2H, m), 6.87-6.66 (3H, m), 4.06-3.90 (5H, m), 3.25-2.95 (6H, m), 2.61-2.40 (4H, m), 2.22 (2H, d, J=7Hz), 1.95-1.72 (3H, m), 1.33-1.07 (2H, m)

009290" 24428560

FIG. 41

Ex.No.	NMR (ppm) (*:300MHz, Without asterisk: 270MHz)
11	CDCI ₃ *: 8.24-8.18 (2H, m), 7.77 (1H, d, J=9Hz), 7.71 (1H, s), 7.29 (1H, d, J=2Hz), 7.09 (1H, dd, J=2, 9Hz), 6.65-6.59 (2H, m), 3.91 (3H, s), 3.89-3.78 (2H, m), 3.24-3.06 (4H, m), 2.85-2.72 (2H, m), 2.58-2.44 (4H, m), 2.21 (2H, d, J=7Hz), 1.85-1.56 (3H, m), 1.35-1.08 (2H, m)
12	CDCI ₃ : 8.23-8.15 (2H, m), 7.90-7.76 (2H, m), 7.56-7.45 (2H, m), 6.67-6.60 (2H, m), 4.33 (2H, s), 4.18 (2H, q, J=7Hz), 3.90-3.80 (2H, m), 3.32-3.20 (4H, m), 2.90-2.76 (2H, m), 2.57-2.45 (4H, m), 2.20 (2H, d, J=7Hz), 1.85-1.62 (3H, m), 1.30-1.10 (2H, m), 1.26 (3H, t, J=7Hz)
13	CDCI ₃ *: 8.25-8.17 (2H, m), 8.14-8.07 (1H, m), 7.93-7.86 (1H, m), 7.62-7.53 (2H, m), 6.71-6.63 (2H, m), 3.95-3.84 (2H, m), 3.47-3.35 (4H, m), 2.94-2.80 (2H, m), 2.60-2.49 (4H, m), 2.24 (2H, d, J=7Hz), 1.91-1.67 (3H, m), 1.35-1.12 (2H, m)
14	CDCI ₃ : 8.48-8.40 (1H, m), 8.38-8.17 (2H, m), 7.60-7.22 (3H, m), 6.74-6.64 (2H, m), 4.00-3.85 (2H, m), 3.60-3.44 (4H, m), 2.98-2.82 (2H, m), 2.75-2.61 (4H, m), 2.31 (2H, d, J=7Hz), 1.97-1.50 (3H, m), 1.40-1.16 (2H, m)
15	CDCI ₃ : 8.25-8.14 (2H, m), 7.75-7.66 (1H, m), 7.61-7.33 (4H, m), 6.77-6.66 (2H, m), 4.00-3.88 (2H, m), 3.38-3.23 (4H, m), 3.05-2.90 (2H, m), 2.59-2.42 (4H, m), 2.22 (2H, d, J=7Hz), 1.93-1.71 (3H, m), 1.31-1.10 (2H, m)
16	CDCI ₃ : 8.21-8.16 (2H, m), 7.68 (1H, d, J=2Hz), 7.51 (1H, d, J=9Hz), 7.44 (1H, dd, J=2, 9Hz), 7.31 (1H, s), 6.69-6.62 (2H, m), 3.95-3.85 (2H, m), 3.35-3.25 (4H, m), 2.93-2.80 (2H, m), 2.55-2.47 (4H, m), 2.22 (2H, d, J=7Hz), 1.90-1.60 (3H, m), 1.35-1.10 (2H, m)
17	CDCI ₃ : 8.31-8.13 (3H, m), 8.07 (1H, d, J=9Hz), 7.82 (1H, dd, J=2, 9Hz), 6.66-6.53 (2H, m), 3.88-3.71 (2H, m), 3.14-2.96 (4H, m), 2.92 (3H, s), 2.85-2.68 (2H, m), 2.61-2.39 (4H, m), 2.19 (2H, d, J=7Hz), 1.90-1.55 (3H, m), 1.31-1.03 (2H, m)
18	CDCI ₃ : 8.25-8.18 (2H, m), 7.83 (2H, d, J=9Hz), 7.74 (2H, d, J=9Hz), 7.66-7.58 (2H, m), 7.56-7.40 (3H, m), 6.65-6.57 (2H, m), 3.88-3.76 (2H, m), 3.16-3.02 (4H, m), 2.86-2.71 (2H, m), 2.60-2.47 (4H, m), 2.21 (2H, d, J=7Hz), 1.85-1.59 (3H, m), 1.30-1.08 (2H, m)
19	CDCI ₃ +CD ₃ OD: 8.64-8.55 (1H, m), 8.36-7.97 (3H, m), 7.47 (1H, d, J=8Hz), 6.85-6.59 (2H, m), 4.03-3.86 (2H, m), 3.38-3.13 (4H, m), 3.07-2.87 (2H, m), 2.58-2.06 (6H, m), 1.94-1.68 (3H, m), 1.37-1.07 (2H, m)

009290 24428560

APPROVED	J.C. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	514	252

FIG.42

Ex.No.	NMR (ppm) (*:300MHz,Without asterisk:270MHz)
20	CDC13: 8.25-8.18 (2H, m), 7.87-7.85 (1H, m), 7.55-7.44 (2H, m), 6.70-6.65 (2H, m), 3.98-3.86 (2H, m), 3.67 (2H, s), 3.25-3.16 (4H, m), 3.03-2.90 (2H, m), 2.50-2.41 (4H, m), 2.20-2.15 (2H, m), 2.05-1.80 (3H, m), 1.30-1.10 (2H, m)
21	CDC13: 8.31 (1H, s), 8.20-8.10 (2H, m), 8.03 (1H, d, J=9Hz), 7.95-7.82 (2H, m), 7.78-7.70 (1H, m), 7.68-7.58 (1H, m), 6.62-6.57 (2H, m), 3.89-3.78 (2H, m), 3.15-2.98 (4H, m), 2.88-2.73 (2H, m), 2.56-2.44 (4H, m), 2.37 (3H, s), 2.18 (2H, d, J=7Hz), 1.80-1.60 (3H, m), 1.28-1.05 (2H, m)
22	CDC13*: 8.28-8.13 (3H, m), 7.96 (1H, d, J=9Hz), 7.73-7.64 (1H, m), 7.47-7.37 (2H, m), 6.96-6.90 (1H, m), 6.63-6.54 (2H, m), 4.40-4.10 (1H, m), 3.90-3.74 (2H, m), 3.16-2.97 (4H, m), 2.83-2.68 (2H, m), 2.58-2.40 (4H, m), 2.17 (2H, d, J=7Hz), 1.80-1.60 (3H, m), 1.22-1.02 (2H, m)
23	CDC13: 8.28-8.20 (2H, m), 7.49 (1H, d, J=16Hz), 7.48-7.38 (4H, m), 6.69-6.58 (3H, m), 3.89 (2H, s), 3.94-3.78 (2H, m), 3.57-3.44 (4H, m), 3.32 (2H, d, J=7Hz), 2.88-2.72 (2H, m), 2.05-1.87 (1H, m), 1.83-1.64 (2H, m), 1.40-1.22 (2H, m)
24	CDC13*: 8.37-8.34 (1H, m), 8.26-8.19 (2H, m), 8.16-8.11 (1H, m), 7.93 (1H, d, J=9Hz), 7.88 (1H, d, J=9Hz), 7.80 (1H, dd, J=2, 9Hz), 7.75 (1H, dd, J=2, 9Hz), 6.66-6.59 (2H, m), 3.89-3.77 (2H, m), 3.80 (2H, s), 3.49-3.38 (4H, m), 3.25 (2H, d, J=7Hz), 2.84-2.72 (2H, m), 1.99-1.83 (1H, m), 1.68-1.57 (2H, m), 1.35-1.17 (2H, m)
25	CDC13: 8.29 (1H, s), 8.20-8.11 (2H, m), 7.91-7.83 (3H, m), 7.73 (1H, dd, J=2, 9Hz), 7.55 (1H, dd, J=2, 9Hz), 6.57-6.50 (2H, m), 3.78-3.68 (4H, m), 3.40-3.30 (4H, m), 3.17 (2H, d, J=8Hz), 2.74-2.60 (2H, m), 1.90-1.70 (1H, m), 1.60-1.48 (2H, m), 1.28-1.07 (2H, m)
26	CDC13*: 8.41-7.93 (6H, m), 7.86-7.64 (3H, m), 6.75-6.52 (2H, m), 3.88-3.77 (4H, m), 3.48-3.38 (4H, m), 3.24 (2H, d, J=8Hz), 2.85-2.71 (2H, m), 1.99-1.84 (1H, m), 1.68-1.58 (2H, m), 1.34-1.17 (2H, m)
27	CDC13*: 8.35-8.32 (1H, m), 8.26-8.19 (2H, m), 7.94-7.88 (2H, m), 7.77-7.70 (2H, m), 7.54-7.48 (1H, m), 6.65-6.58 (2H, m), 3.86-3.76 (4H, m), 3.48-3.37 (4H, m), 3.27-3.21 (2H, m), 2.83-2.70 (2H, m), 2.59 (3H, s), 1.97-1.81 (1H, m), 1.66-1.56 (2H, m), 1.29-1.16 (2H, m)
28	CDC13*: 8.45-8.43 (1H, m), 8.37-8.34 (1H, m), 8.26-8.21 (2H, m), 8.14-8.09 (2H, m), 7.94-7.88 (1H, m), 7.84-7.79 (1H, m), 6.65-6.60 (2H, m), 3.92-3.79 (4H, m), 3.54-3.40 (4H, m), 3.30-3.24 (2H, m), 2.88-2.75 (2H, m), 2.00-1.50 (3H, m), 1.37-1.16 (2H, m)

009290" 24429560

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	574	252

FIG.43

Ex.No.	NMR (ppm) (*:300MHz, Without asterisk:270MHz)
29	CDC13*: 8.30-8.24 (1H, m), 8.13-8.05 (2H, m), 7.92-7.86 (1H, m), 7.84-7.78 (1H, m), 7.72-7.65 (1H, m), 7.32-7.20 (2H, m), 6.70-6.61 (2H, m), 3.93-3.74 (4H, m), 3.49-3.36 (4H, m), 3.28-3.19 (2H, m), 2.85-2.61 (2H, m), 1.96-1.82 (1H, m), 1.60-1.50 (2H, m), 1.35-1.10 (2H, m)
30	CDC13*: 8.26-8.16 (3H, m), 7.98-7.92 (1H, m), 7.86-7.66 (4H, m), 6.69-6.64 (2H, m), 3.97-3.83 (4H, m), 3.67-3.58 (2H, m), 3.55-3.44 (2H, m), 3.34-3.26 (2H, m), 2.94-2.80 (2H, m), 2.08-1.88 (1H, m), 1.76-1.64 (2H, m), 1.38-1.19 (2H, m)
31	CDC13*: 8.31 (1H, s), 8.26-8.15 (2H, m), 7.98-7.88 (3H, m), 7.80-7.74 (1H, m), 7.63-7.56 (1H, m), 6.63-6.56 (2H, m), 4.25-4.10 (2H, m), 3.85-3.76 (2H, m), 3.63-3.52 (1H, m), 3.37-3.18 (3H, m), 3.07-2.99 (1H, m), 2.94-2.84 (1H, m), 2.82-2.70 (2H, m), 2.62-2.46 (2H, m), 2.37-2.27 (1H, m), 1.80-1.54 (3H, m), 1.34-1.23 (3H, m), 1.20-1.03 (2H, m)
32	CDC13: 8.31 (1H, s), 8.20-8.16 (2H, m), 7.97-7.88 (3H, m), 7.80-7.74 (1H, m), 7.62-7.55 (1H, m), 6.68-6.62 (2H, m), 3.95-3.79 (3H, m), 3.66-3.55 (1H, m), 3.36-3.30 (2H, m), 3.06-2.78 (5H, m), 2.65-2.40 (3H, m), 2.25-2.14 (1H, m), 1.89-1.70 (3H, m), 1.30-1.10 (2H, m)
33	DMSO-d6: 8.51 (1H, s), 8.34-8.02 (5H, m), 7.87-7.68 (2H, m), 6.82-6.68 (2H, m), 3.95-3.74 (2H, m), 3.57-2.20 (11H, m), 1.78-1.52 (3H, m), 1.07-0.82 (2H, m)
34	CDC13*: 8.37-8.27 (1H, m), 8.26-8.15 (2H, m), 8.00-7.92 (3H, m), 7.81-7.71 (1H, m), 7.64-7.53 (1H, m), 6.66-6.53 (2H, m), 4.26-4.10 (2H, m), 3.90-3.34 (5H, m), 3.33-1.94 (10H, m), 1.90-1.57 (3H, m), 1.35-0.94 (5H, m)
35	CDC13: 8.32 (1H, s), 8.28-8.17 (2H, m), 8.00-7.89 (3H, m), 7.85-7.75 (1H, m), 7.67-7.57 (1H, m), 6.65-6.56 (2H, m), 6.33-6.25 (1H, m), 5.39-5.32 (1H, m), 3.91-3.75 (2H, m), 3.75-3.65 (1H, m), 3.65-3.52 (1H, m), 3.14-2.99 (2H, m), 2.87-2.62 (4H, m), 2.46-2.31 (2H, m), 2.29-2.16 (1H, m), 1.91-1.53 (3H, m), 1.32-1.04 (2H, m)
36	CDC13*: 8.34-8.29 (1H, m), 8.24-8.18 (2H, m), 7.98-7.90 (3H, m), 7.81-7.75 (1H, m), 7.63-7.56 (1H, m), 6.73-6.66 (1H, m), 6.64-6.34 (2H, m), 3.94-3.79 (2H, m), 3.77-3.69 (1H, m), 3.66-3.56 (1H, m), 3.51-3.31 (2H, m), 3.14-2.98 (2H, m), 2.88-2.55 (6H, m), 2.47-2.29 (4H, m), 2.22-2.13 (1H, m), 1.92-1.61 (3H, m), 1.40-1.09 (5H, m)
37	CDC13*: 8.38-8.14 (3H, m), 8.00-7.84 (3H, m), 7.81-7.69 (1H, m), 7.64-7.54 (1H, m), 6.66-6.51 (2H, m), 3.89-3.24 (2H, m), 3.38-2.92 (6H, m), 2.84-2.67 (2H, m), 2.50-2.11 (3H, m), 2.18 (3H, s), 1.89-1.56 (3H, m), 1.36-1.00 (2H, m)

009290" 24428560

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	514	252

FIG.44

Ex.No.	NMR (ppm) (*:300MHz, Without asterisk:270MHz)
38	CDC13: 8.29 (1H, s), 8.31-8.03 (2H, m), 8.03-7.82 (3H, m), 7.82-7.69 (1H, m), 7.57 (1H, dd, J=2, 9Hz), 6.74-6.50 (2H, m), 3.95-3.75 (2H, m), 3.65 (2H, d, J=11Hz), 3.60-3.43 (1H, m), 3.28-2.40 (6H, m), 3.15 (3H, s), 2.94 (3H, s), 2.26 (1H, dd, J=9, 12Hz), 2.12-1.97 (1H, m), 1.87 (1H, d, J=13Hz), 1.80-1.55 (2H, m), 1.35-1.02 (2H, m)
39	CDC13: 8.34 (1H, s), 8.25-8.18 (2H, m), 7.98-7.90 (3H, m), 7.77 (1H, dd, J=2, 9Hz), 7.64-7.58 (1H, m), 6.64-6.57 (2H, m), 4.38-4.04 (5H, m), 3.96-3.75 (3H, m), 3.46 (1H, d, J=17Hz), 3.07-2.96 (1H, m), 2.88-2.68 (2H, m), 2.66-2.55 (1H, m), 1.93-1.75 (1H, m), 1.73-1.55 (2H, m), 1.32 (3H, t, J=7Hz), 1.32-1.14 (2H, m)
40	CD3OD*: 8.47 (1H, s), 8.16-7.99 (5H, m), 7.90-7.83 (1H, m), 7.64 (1H, dd, J=2, 9Hz), 7.02 (2H, d, J=8Hz), 4.18-3.91 (5H, m), 3.81 (1H, dd, J=8, 14Hz), 3.58 (1H, d, J=16Hz), 3.30-3.20 (1H, m), 3.12-2.93 (2H, m), 2.72 (1H, dd, J=7, 14Hz), 2.08-1.92 (1H, m), 1.82-1.71 (1H, m), 1.62-1.52 (1H, m), 1.31-1.04 (2H, m)
41	CDC13: 8.36 (1H, s), 8.21 (2H, d, J=7Hz), 8.00-7.90 (3H, m), 7.84-7.76 (1H, m), 7.62 (1H, dd, J=2, 9Hz), 6.58 (2H, d, J=7Hz), 4.28-4.12 (2H, m), 3.95-3.72 (5H, m), 3.48-3.35 (2H, m), 2.84-2.63 (4H, m), 2.05-1.46 (3H, m), 1.34-1.13 (2H, m)
42	CDC13*: 8.36 (1H, s), 8.26-8.19 (2H, m), 7.98-7.92 (3H, m), 7.80 (1H, dd, J=2, 9Hz), 7.61 (1H, dd, J=2, 9Hz), 6.62-6.55 (2H, m), 4.17 (1H, d, J=17Hz), 4.05 (1H, d, J=12Hz), 3.94-3.70 (3H, m), 3.70-3.43 (3H, m), 3.38 (3H, s), 3.38 (1H, d, J=17Hz), 2.88-2.66 (4H, m), 2.08-1.90 (1H, m), 1.71-1.54 (2H, m), 1.38-1.07 (2H, m)
43	CDC13: 8.37 (1H, s), 8.23-8.19 (2H, m), 7.98-7.93 (3H, m), 7.80 (1H, dd, J=2, 9Hz), 7.62 (1H, dd, J=2, 9Hz), 6.60-6.56 (2H, m), 4.40-4.33 (1H, m), 4.25-4.11 (2H, m), 4.04 (1H, d, J=12Hz), 3.95-3.74 (3H, m), 3.61-3.50 (1H, m), 3.38 (1H, d, J=17Hz), 2.88-2.67 (4H, m), 2.10 (3H, s), 2.03-1.86 (1H, m), 1.70-1.55 (2H, m), 1.38-1.16 (2H, m)
44	CDC13*: 8.27-8.19 (2H, m), 7.47 (1H, d, J=15Hz), 7.47-7.38 (4H, m), 6.67-6.60 (2H, m), 6.59 (1H, d, J=15Hz), 4.28-4.07 (5H, m), 4.00-3.82 (3H, m), 3.73 (1H, d, J=17Hz), 3.32 (1H, dd, J=4, 13Hz), 2.89-2.75 (2H, m), 2.67 (1H, dd, J=8, 14Hz), 2.00-1.63 (3H, m), 1.40-1.20 (2H, m), 1.30 (3H, t, J=7Hz)
45	CD3OD*: 8.08-8.02 (2H, m), 7.69-7.63 (1H, m), 7.52-7.37 (4H, m), 7.17-7.00 (3H, m), 4.29-4.10 (2H, m), 4.09-3.75 (4H, m), 3.62-3.02 (4H, m), 2.90-2.73 (1H, m), 2.21-2.05 (1H, m), 1.95-1.73 (2H, m), 1.43-1.12 (2H, m)

FIG.45

Ex.No.	NMR (ppm) (*:300MHz,Without asterisk:270MHz)
46	CDC13+CD3OD: 8.48-8.44 (1H, m), 8.14-8.00 (5H, m), 7.85 (1H, dd, J=2, 9Hz), 7.65 (1H, dd, J=2, 9Hz), 6.72 (2H, d, J=6Hz), 4.19 (1H, t, J=3Hz), 4.13-4.04 (2H, m), 3.96-3.80 (3H, m), 3.55 (1H, d, J=17Hz), 3.24 (1H, dd, J=4, 12Hz), 2.86-2.69 (2H, m), 2.62 (1H, dd, J=7, 14Hz), 1.98-1.80 (1H, m), 1.75-1.50 (2H, m), 1.35-1.10 (2H, m)
47	CDC13: 8.37-8.35 (1H, m), 8.17 (2H, d, J=6Hz), 7.98-7.92 (3H, m), 7.83-7.77 (1H, m), 7.65-7.58 (1H, m), 7.46 (0.7H, d, J=8Hz), 6.84 (0.3H, d, J=7Hz), 6.59 (2H, d, J=6Hz), 4.96-4.87 (0.3H, m), 4.18-4.00 (1.7H, m), 3.95-3.48 (5H, m), 3.19-3.05 (1H, m), 2.90-2.64 (3H, m), 2.15-1.95 (1H, m), 1.70-1.45 (2H, m), 1.35-1.10 (2H, m)
48	CDC13*: 8.37-8.33 (1H, m), 8.22 (2H, d, J=6Hz), 7.97-7.90 (3H, m), 7.75 (1H, dd, J=2, 9Hz), 7.61 (1H, dd, J=2, 9Hz), 6.60 (2H, d, J=7Hz), 4.37 (1H, t, J=3Hz), 4.09 (1H, d, J=17Hz), 3.97-3.63 (8H, m), 3.63 (1H, d, J=17Hz), 3.58-3.48 (4H, m), 3.28 (1H, dd, J=3, 12Hz), 2.83-2.70 (2H, m), 2.42 (1H, dd, J=8, 14Hz), 1.95-1.60 (3H, m), 1.35-1.15 (2H, m)
49	CDC13*: 8.37-8.34 (1H, m), 8.21 (2H, d, J=7Hz), 7.97-7.89 (3H, m), 7.75 (1H, dd, J=2, 9Hz), 7.61 (1H, dd, J=2, 9Hz), 6.61 (2H, d, J=7Hz), 4.47 (1H, t, J=4Hz), 3.97 (1H, d, J=17Hz), 3.90-3.73 (4H, m), 3.76 (1H, d, J=17Hz), 3.43 (1H, dd, J=4, 13Hz), 3.11 (3H, s), 2.96 (3H, s), 2.86-2.72 (2H, m), 2.42 (1H, dd, J=8, 14Hz), 1.97-1.79 (1H, m), 1.79-1.58 (2H, m), 1.30-1.12 (2H, m)
50	CDC13*: 8.48-8.43 (1H, m), 8.23-8.12 (2H, m), 7.98-7.90 (3H, m), 7.82-7.74 (1H, m), 7.64-7.57 (1H, m), 6.64-6.54 (2H, m), 4.16-4.08 (1H, m), 3.98-3.67 (6H, m), 3.82 (3H, s), 3.50-3.38 (1H, m), 2.70-2.50 (4H, m), 1.85-1.70 (1H, m), 1.65-1.50 (2H, m), 1.25-1.05 (2H, m)
51	CDC13*: 8.37-8.32 (1H, m), 8.25-8.17 (2H, m), 7.97-7.90 (3H, m), 7.78-7.73 (1H, m), 7.64-7.58 (1H, m), 6.63-6.57 (2H, m), 4.45-4.40 (1H, m), 4.05 (1H, d, J=16Hz), 3.95-3.60 (10H, m), 3.32-3.24 (1H, m), 2.85-2.73 (2H, m), 2.50-2.30 (1H, m), 2.10-1.50 (5H, m), 1.40-1.20 (4H, m)
52	CDC13*: 8.36 (1H, d, J=1Hz), 8.22-8.19 (2H, m), 7.97-7.94 (3H, m), 7.82-7.78 (1H, m), 7.61 (1H, dd, J=2, 9Hz), 6.59-6.57 (2H, m), 4.25-4.16 (2H, m), 3.89-3.76 (3H, m), 3.36 (1H, d, J=17Hz), 3.30-3.22 (1H, m), 3.07 (1H, dd, J=10, 13Hz), 2.96 (1H, dd, J=4, 13Hz), 2.79-2.68 (3H, m), 2.63 (1H, dd, J=8, 14Hz), 2.05-1.87 (1H, m), 1.73-1.57 (2H, m), 1.35-1.14 (2H, m)

FIG.46

Ex.No.	NMR (ppm) (*:300MHz,Without asterisk:270MHz)
53	CDC13*:8.36 (1H, d, J=2Hz), 8.21 (2H, dd, J=2, 5Hz), 7.97-7.93 (3H, m), 7.81 (1H, dd, J=2, 9Hz), 7.64-7.60 (1H, m), 6.58 (2H, dd, J=2, 5Hz), 4.26 (1H, d, J=10Hz), 4.21 (1H, d, J=15Hz), 3.94-3.64 (7H, m), 3.35-3.24 (2H, m), 2.91-2.52 (9H, m), 2.46-2.36 (1H, m), 2.12-1.87 (1H, m), 1.68-1.57 (2H, m), 1.37-1.14 (2H, m)
54	CDC13*:8.36 (1H, s), 8.21 (2H, d, J=6Hz), 7.96-7.93 (3H, m), 7.81 (1H, dd, J=2, 9Hz), 7.63-7.59 (1H, m), 6.58 (2H, d, J=6Hz), 4.23-4.18 (2H, m), 3.89-3.76 (3H, m), 3.29 (1H, d, J=17Hz), 3.30-3.21 (1H, m), 2.87-2.55 (5H, m), 2.38-2.24 (1H, m), 2.31 (6H, s), 2.04-1.87 (1H, m), 1.72-1.57 (2H, m), 1.34-1.16 (2H, m)
55	CDC13:8.37-8.33 (1H, m), 8.20 (2H, d, J=6Hz), 8.01-7.92 (3H, m), 7.83-7.75 (1H, m), 7.67-7.59 (1H, m), 6.57 (2H, d, J=6Hz), 6.29-6.20 (1H, m), 4.28 (1H, d, J=17Hz), 3.98 (1H, d, J=13Hz), 3.93-3.62 (5H, m), 3.48-3.14 (2H, m), 2.92 (1H, dd, J=7, 14Hz), 2.82-2.64 (3H, m), 2.06 (3H, s), 2.03-1.87 (1H, m), 1.75-1.54 (2H, m), 1.40-1.17 (2H, m)
56	CDC13:8.37 (1H, s), 8.22-8.16 (2H, m), 8.02-7.90 (3H, m), 7.82-7.24 (1H, m), 7.65-7.58 (1H, m), 6.62-6.52 (2H, m), 5.60-5.40 (1H, m), 4.31 (1H, d, J=17Hz), 4.17 (1H, d, J=13Hz), 3.97-3.74 (3H, m), 3.68-3.59 (1H, m), 3.46-3.31 (3H, m), 3.05 (3H, s), 2.81-2.62 (4H, m), 2.01-1.85 (1H, m), 1.74-1.50 (2H, m), 1.38-1.16 (2H, m)
57	CDC13*:8.36 (1H, s), 8.25-8.18 (2H, m), 7.99-7.92 (3H, m), 7.86-7.78 (1H, m), 7.66-7.58 (1H, m), 6.62-6.56 (2H, m), 4.25-4.08 (2H, m), 3.93-3.62 (4H, m), 3.36-3.22 (2H, m), 2.90-2.54 (7H, m), 2.44-2.20 (3H, m), 2.10-1.10 (9H, m)
58	CDC13*:8.39 (1H, s), 8.23-8.12 (2H, m), 8.06-7.94 (3H, m), 7.80-7.64 (3H, m), 6.65-6.57 (2H, m), 4.25-4.12 (2H, m), 3.95-3.75 (5H, m), 3.50-3.40 (1H, m), 3.38 (1H, d, J=17Hz), 2.84-2.68 (4H, m), 2.05-1.89 (1H, m), 1.69-1.57 (2H, m), 1.36-1.13 (2H, m)
59	CDC13:8.40 (1H, s), 8.25-8.18 (2H, m), 8.08-7.43 (3H, m), 7.33-7.14 (3H, m), 6.62-6.55 (2H, m), 4.42-4.33 (1H, m), 4.24-4.00 (3H, m), 3.94-3.76 (3H, m), 3.58-3.50 (1H, m), 3.38 (1H, d, J=17Hz), 2.83-2.67 (4H, m), 2.07 (3H, s), 2.01-1.87 (1H, m), 1.68-1.53 (2H, m), 1.35-1.18 (2H, m)
60	CDC13:8.34 (1H, s), 8.25-8.18 (2H, m), 7.98-7.90 (3H, m), 7.77 (1H, dd, J=2, 9Hz), 7.64-7.58 (1H, m), 6.64-6.57 (2H, m), 4.38-4.04 (5H, m), 3.96-3.75 (3H, m), 3.46 (1H, d, J=17Hz), 3.07-2.96 (1H, m), 2.88-2.68 (2H, m), 2.66-2.55 (1H, m), 1.93-1.75 (1H, m), 1.73-1.55 (2H, m), 1.32 (3H, t, J=7Hz), 1.32-1.14 (2H, m)

FIG.47

Ex.No.	NMR (ppm) (*:300MHz,Without asterisk:270MHz)
61	CDC13:8.34 (1H, s), 8.25-8.18 (2H, m), 7.98-7.90 (3H, m), 7.77 (1H, dd, J=2, 9Hz), 7.64-7.58 (1H, m), 6.64-6.57 (2H, m), 4.38-4.04 (5H, m), 3.96-3.75 (3H, m), 3.46 (1H, d, J=17Hz), 3.07-2.96 (1H, m), 2.88-2.68 (2H, m), 2.66-2.55 (1H, m), 1.93-1.75 (1H, m), 1.73-1.55 (2H, m), 1.32 (3H, t, J=7Hz), 1.32-1.14 (2H, m)
62	CDC13:8.36 (1H, s), 8.24-8.17 (2H, m), 7.98-7.91 (3H, m), 7.80 (1H, dd, J=2, 9Hz), 7.61 (1H, dd, J=2, 9Hz), 6.60-6.54 (2H, m), 4.17 (1H, d, J=16Hz), 4.06 (1H, d, J=12Hz), 3.92-3.75 (3H, m), 3.65-3.33 (4H, m), 3.39 (3H, s), 2.80-2.65 (4H, m), 2.03-1.85 (1H, m), 1.66-1.53 (2H, m), 1.35-1.13 (2H, m)
63	CDC13:8.36 (1H, s), 8.24-8.17 (2H, m), 7.98-7.91 (3H, m), 7.80 (1H, dd, J=2, 9Hz), 7.61 (1H, dd, J=2, 9Hz), 6.60-6.54 (2H, m), 4.17 (1H, d, J=16Hz), 4.06 (1H, d, J=12Hz), 3.92-3.75 (3H, m), 3.65-3.33 (4H, m), 3.39 (3H, s), 2.80-2.65 (4H, m), 2.03-1.85 (1H, m), 1.66-1.53 (2H, m), 1.35-1.13 (2H, m)
64	DMSO-d6*:13.31 (1H, brs), 8.61 (1H, s), 8.35-8.26 (2H, m), 8.24-8.11 (3H, m), 7.92-7.84 (1H, m), 7.79-7.72 (1H, m), 7.12 (2H, d, J=7Hz), 4.30 (1H, s), 4.21-4.02 (3H, m), 3.87 (1H, d, J=16Hz), 3.76-3.66 (1H, m), 3.36 (1H, d, J=16Hz), 3.13-2.91 (3H, m), 2.66-2.54 (1H, m), 2.04-1.83 (1H, m), 1.76-1.52 (2H, m), 1.29-0.91 (2H, m)
65	CDC13*:8.35 (1H, s), 8.26-8.19 (2H, m), 7.98-7.91 (3H, m), 7.80-7.74 (1H, m), 7.65-7.59 (1H, m), 6.61-6.56 (2H, m), 4.35-4.27 (1H, m), 4.24-4.05 (4H, m), 3.98-3.89 (1H, m), 3.86-3.76 (2H, m), 3.47 (1H, d, J=17Hz), 3.02 (1H, dd, J=3, 12Hz), 2.79-2.68 (2H, m), 2.63-2.54 (1H, m), 1.93-1.54 (5H, m), 1.33-1.17 (2H, m), 0.97 (3H, t, J=7Hz)
66	CDC13*:8.35 (1H, s), 8.26-8.19 (2H, m), 7.98-7.91 (3H, m), 7.80-7.74 (1H, m), 7.65-7.59 (1H, m), 6.61-6.56 (2H, m), 4.35-4.27 (1H, m), 4.24-4.05 (4H, m), 3.98-3.89 (1H, m), 3.86-3.76 (2H, m), 3.47 (1H, d, J=17Hz), 3.02 (1H, dd, J=3, 12Hz), 2.79-2.68 (2H, m), 2.63-2.54 (1H, m), 1.93-1.54 (5H, m), 1.33-1.17 (2H, m), 0.97 (3H, t, J=7Hz)
67	CDC13:8.34 (1H, d, J=1Hz), 8.22 (2H, dd, J=1, 5Hz), 8.00-7.89 (3H, m), 7.81-7.74 (1H, m), 7.65-7.58 (1H, m), 6.58 (2H, dd, J=1, 5Hz), 5.20-5.08 (1H, m), 4.37- (1H, m), 4.20 (1H, d, J=17Hz), 4.03 (1H, t, J=3Hz), 3.98-3.74 (3H, m), 3.41 (1H, d, J=17Hz), 3.02-2.92 (1H, m), 2.80-2.66 (2H, m), 2.60 (1H, dd, J=8, 14Hz), 1.92-1.53 (3H, m), 1.34 (3H, d, J=7Hz), 1.32 (3H, d, J=6Hz), 1.37-1.17 (2H, m)

009290" 2428660

FIG. 48

Ex.No.	NMR (ppm) (*:300MHz, Without asterisk:270MHz)
68	CDC13: 8.34 (1H, d, J=1Hz), 8.22 (2H, dd, J=1, 5Hz), 8.00-7.89 (3H, m), 7.81-7.74 (1H, m), 7.65-7.58 (1H, m), 6.58 (2H, dd, J=1, 5Hz), 5.20-5.08 (1H, m), 4.37-4.26 (1H, m), 4.20 (1H, d, J=17Hz), 4.03 (1H, t, J=3Hz), 3.98-3.74 (3H, m), 3.41 (1H, d, J=17Hz), 3.02-2.92 (1H, m), 2.80-2.66 (2H, m), 2.60 (1H, dd, J=8, 14Hz), 1.92-1.53 (3H, m), 1.34 (3H, d, J=7Hz), 1.32 (3H, d, J=6Hz), 1.37-1.17 (2H, m)
69	CDC13: 8.34 (1H, s), 8.25-8.17 (2H, m), 7.98-7.89 (3H, m), 7.81-7.75 (1H, m), 7.64-7.58 (1H, m), 6.62-6.54 (2H, m), 4.36-4.27 (1H, m), 4.24-4.15 (1H, m), 3.99-3.74 (4H, m), 3.37 (1H, d, J=17Hz), 2.91 (1H, dd, J=3, 12Hz), 2.80-2.57 (3H, m), 1.88-1.48 (3H, m), 1.56 (9H, s), 1.33-1.13 (2H, m)
70	CDC13*: 8.35 (1H, d, J=2Hz), 8.46-8.18 (2H, m), 7.98-7.92 (3H, m), 7.79 (1H, dd, J=2, 9Hz), 7.64-7.58 (1H, m), 6.62-6.68 (2H, m), 3.89-3.80 (2H, m), 3.74 (2H, s), 3.17 (2H, d, J=7Hz), 3.12 (2H, s), 2.80-2.67 (2H, m), 2.07-1.87 (1H, m), 1.71-1.62 (2H, m), 1.37 (6H, s), 1.36-1.18 (2H, m)
71	CDC13*: 8.24 (2H, d, J=6Hz), 7.53-7.38 (5H, m), 6.70-6.57 (3H, m), 4.11 (1H, d, J=17Hz), 4.03-3.80 (4H, m), 3.70-3.46 (4H, m), 3.39 (3H, s), 3.11-3.03 (1H, m), 2.88-2.68 (3H, m), 2.12-1.90 (1H, m), 1.77-1.63 (2H, m), 1.43-1.16 (2H, m)
72	DMSO-d6*: 8.22-8.14 (2H, m), 7.83 (2H, d, J=8Hz), 7.53 (2H, d, J=8Hz), 7.47-7.33 (2H, m), 7.19-7.12 (2H, m), 4.24-4.12 (2H, m), 3.55-3.25 (4H, m), 3.21-3.04 (6H, m), 2.33 (3H, s), 2.30-2.18 (2H, m), 2.10-1.78 (3H, m), 1.18-1.00 (2H, m)
73	DMSO-d6*: 8.22-8.13 (2H, m), 7.84-7.77 (2H, m), 7.57-7.38 (4H, m), 7.16-7.08 (2H, m), 4.18-4.06 (2H, m), 3.77 (2H, s), 3.55-3.27 (2H, m), 3.25-2.99 (4H, m), 2.56-2.43 (2H, m), 2.29 (3H, s), 2.01-1.95 (1H, m), 1.72-1.61 (2H, m), 1.19-1.03 (2H, m)
74	DMSO-d6*: 8.63-8.60 (1H, m), 8.33-8.27 (2H, m), 8.22-8.15 (3H, m), 7.90 (1H, dd, J=2, 9Hz), 7.76 (1H, dd, J=2, 9Hz), 7.12 (1H, d, J=8Hz), 4.14-4.03 (2H, m), 3.69 (2H, s), 3.46-3.28 (4H, m), 3.14 (2H, d, J=7Hz), 3.07-2.92 (2H, m), 2.29 (3H, s), 2.00-1.83 (1H, m), 1.60-1.48 (2H, m), 1.12-0.94 (2H, m)
75	CD3OD*: 8.50-8.45 (1H, m), 8.16-8.00 (5H, m), 7.87-7.81 (1H, m), 7.69-7.63 (1H, m), 7.07 (2H, d, J=8Hz), 4.44-4.06 (7H, m), 3.84-3.73 (1H, m), 3.45 (1H, d, J=17Hz), 3.17-3.02 (3H, m), 2.79 (1H, dd, J=7, 14Hz), 2.69 (3H, s), 2.08-1.93 (1H, m), 1.88-1.78 (1H, m), 1.74-1.64 (1H, m), 1.29 (3H, t, J=7Hz), 1.34-1.22 (2H, m)

APPROVED	J.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	514	252

09/582442

FIG.49

Ex.No.	NMR (ppm) (*:300MHz,Without asterisk:270MHz)
76	DMSO-d ₆ *:13.16 (1H, brs), 8.61 (1H, s), 8.34-8.26 (2H, m), 8.23-8.11 (3H, m), 7.92-7.83 (1H, m), 7.80-7.72 (1H, m), 7.12 (2H, d, J=7Hz), 4.30 (1H, s), 4.22-4.03 (3H, m), 3.87 (1H, d, J=16Hz), 3.77-3.66 (1H, m), 3.37 (1H, d, J=16Hz), 3.12-2.92 (3H, m), 2.68-2.56 (1H, m), 2.31 (3H, s), 2.03-1.86 (1H, m), 1.77-1.54 (2H, m), 1.29-0.92 (2H, m)
77	CD ₃ OD*:8.43-8.37 (1H, m), 8.07-7.91 (5H, m), 7.82-7.76 (1H, m), 7.60-7.53 (1H, m), 6.98 (2H, d, J=8Hz), 4.14-3.98 (2H, m), 3.98-3.86 (2H, m), 3.79-3.59 (3H, m), 3.47-3.32 (3H, m), 3.08-2.75 (4H, m), 2.60 (3H, s), 2.09-1.94 (1H, m), 1.73-1.52 (2H, m), 1.23-1.14 (2H, m)
78	CD ₃ OD:8.51-8.47 (1H, m), 8.17-8.00 (5H, m), 7.91-7.84 (1H, m), 7.69-7.63 (1H, m), 7.07 (2H, d, J=8Hz), 4.25-3.92 (4H, m), 3.86-3.74 (1H, m), 3.68-3.41 (4H, m), 3.34 (3H, s), 3.18-2.84 (4H, m), 2.69 (3H, s), 2.20-2.01 (1H, m), 1.85-1.62 (2H, m), 1.37-1.10 (2H, m)
80	CD ₃ OD*:7.97-7.93 (2H, m), 7.60-7.52 (2H, m), 7.45-7.32 (3H, m), 7.06-6.95 (3H, m), 4.38-4.32 (1H, m), 4.28-4.02 (4H, m), 3.96-3.88 (1H, m), 3.79-3.60 (2H, m), 3.34-3.17 (2H, m), 3.14-3.00 (2H, m), 2.81-2.70 (1H, m), 2.60 (3H, s), 2.06-1.90 (1H, m), 1.86-1.64 (2H, m), 1.31-1.13 (5H, m)
81	CD ₃ OD*:8.10-8.02 (2H, m), 7.69-7.61 (1H, m), 7.49-7.35 (4H, m), 7.16-7.04 (3H, m), 4.44-4.36 (1H, m), 4.31-4.14 (2H, m), 4.06-3.45 (4H, m), 3.44-3.09 (3H, m), 2.92-2.77 (1H, m), 2.69 (3H, s), 2.23-2.03 (1H, m), 1.98-1.74 (2H, m), 1.44-1.20 (2H, m)
83	CD ₃ OD:8.55-8.49 (1H, m), 8.19-8.00 (5H, m), 7.90 (1H, dd, J=2, 9Hz), 7.67 (1H, dd, J=2, 9Hz), 7.06 (2H, d, J=8Hz), 4.26-4.06 (4H, m), 3.96-3.84 (2H, m), 3.52-2.64 (7H, m), 2.72 (6H, s), 2.24-2.06 (1H, m), 1.88-1.62 (2H, m), 1.46-1.12 (2H, m)
89	CD ₃ OD*:8.50-8.45 (1H, m), 8.16-8.00 (5H, m), 7.87-7.81 (1H, m), 7.69-7.63 (1H, m), 7.07 (2H, d, J=8Hz), 4.44-4.06 (7H, m), 3.84-3.73 (1H, m), 3.45 (1H, d, J=17Hz), 3.17-3.02 (3H, m), 2.79 (1H, dd, J=7, 14Hz), 2.69 (3H, s), 2.08-1.93 (1H, m), 1.88-1.78 (1H, m), 1.74-1.64 (1H, m), 1.29 (3H, t, J=7Hz), 1.34-1.22 (2H, m)
90	CD ₃ OD*:8.50-8.45 (1H, m), 8.16-8.00 (5H, m), 7.87-7.81 (1H, m), 7.69-7.63 (1H, m), 7.07 (2H, d, J=8Hz), 4.44-4.06 (7H, m), 3.84-3.73 (1H, m), 3.45 (1H, d, J=17Hz), 3.17-3.02 (3H, m), 2.79 (1H, dd, J=7, 14Hz), 2.69 (3H, s), 2.08-1.93 (1H, m), 1.88-1.78 (1H, m), 1.74-1.64 (1H, m), 1.29 (3H, t, J=7Hz), 1.34-1.22 (2H, m)

009290" 24428560

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	514	252

09/582442

FIG.50

Ex.No.	NMR (ppm) (*:300MHz,Without asterisk:270MHz)
91	CD ₃ OD:8.51-8.47 (1H, m), 8.17-8.00 (5H, m), 7.91-7.84 (1H, m), 7.69-7.63 (1H, m), 7.07 (2H, d, J=8Hz), 4.25-3.92 (4H, m), 3.86-3.74 (1H, m), 3.68-3.41 (4H, m), 3.34 (3H, s), 3.18-2.84 (4H, m), 2.69 (3H, s), 2.20-2.01 (1H, m), 1.85-1.62 (2H, m), 1.37-1.10 (2H, m)
92	CD ₃ OD:8.51-8.47 (1H, m), 8.17-8.00 (5H, m), 7.91-7.84 (1H, m), 7.69-7.63 (1H, m), 7.07 (2H, d, J=8Hz), 4.25-3.92 (4H, m), 3.86-3.74 (1H, m), 3.68-3.41 (4H, m), 3.34 (3H, s), 3.18-2.84 (4H, m), 2.69 (3H, s), 2.20-2.01 (1H, m), 1.85-1.62 (2H, m), 1.37-1.10 (2H, m)
93	DMSO-d ₆ *:13.16 (1H, brs), 8.61 (1H, s), 8.34-8.26 (2H, m), 8.23-8.11 (3H, m), 7.92-7.83 (1H, m), 7.80-7.72 (1H, m), 7.12 (2H, d, J=7Hz), 4.30 (1H, s), 4.22-4.03 (3H, m), 3.87 (1H, d, J=16Hz), 3.77-3.66 (1H, m), 3.37 (1H, d, J=16Hz), 3.12-2.92 (3H, m), 2.68-2.56 (1H, m), 2.31 (3H, s), 2.03-1.86 (1H, m), 1.77-1.54 (2H, m), 1.29-0.92 (2H, m)
94	CD ₃ OD*:8.48 (1H, s), 8.17-7.99 (5H, m), 7.88-7.82 (1H, m), 7.66 (1H, dd, J=2, 9Hz), 7.06 (2H, d, J=8Hz), 4.45-4.39 (1H, m), 4.30 (1H, d, J=13Hz), 4.23-4.05 (5H, m), 3.80 (1H, dd, J=8, 14Hz), 3.46 (1H, d, J=17Hz), 3.16-3.00 (3H, m), 2.82-2.72 (1H, m), 2.69 (3H, s), 2.08-1.92 (1H, m), 1.88-1.77 (1H, m), 1.69-1.61 (3H, m), 1.34-1.11 (2H, m), 0.97 (3H, t, J=7Hz)
95	CD ₃ OD*:8.48 (1H, s), 8.17-8.00 (5H, m), 7.85 (1H, dd, J=2, 9Hz), 7.66 (1H, dd, J=2, 9Hz), 7.03 (2H, d, J=8Hz), 5.16-5.01 (1H, m), 4.37 (1H, t, J=3Hz), 4.31 (1H, d, J=13Hz), 4.22-4.05 (3H, m), 3.86-3.73 (1H, m), 3.39 (1H, d, J=17Hz), 3.12-2.97 (3H, m), 2.82-2.71 (1H, m), 2.69 (3H, s), 2.07-1.90 (1H, m), 1.87-1.76 (1H, m), 1.72-1.61 (1H, m), 1.35-1.09 (2H, m), 1.32 (3H, d, J=6Hz), 1.31 (3H, d, J=6Hz)

009290"24428560